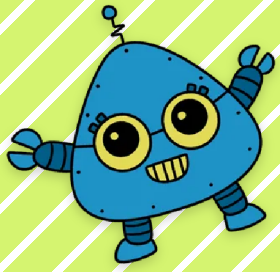
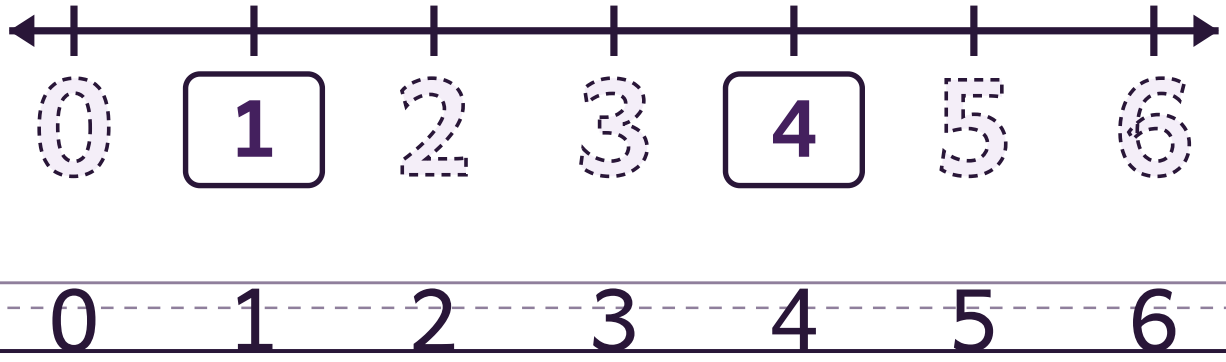
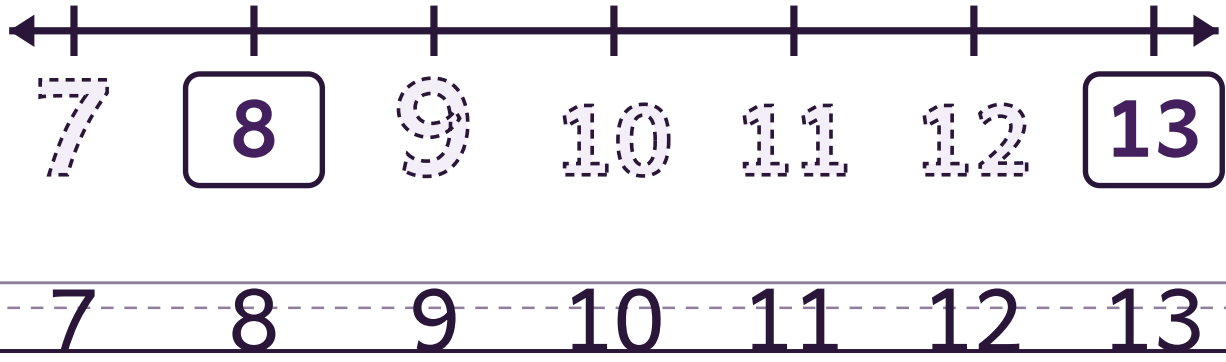
ANSWER KEY · NUMBER TRACING · FOR GROWN-UPS

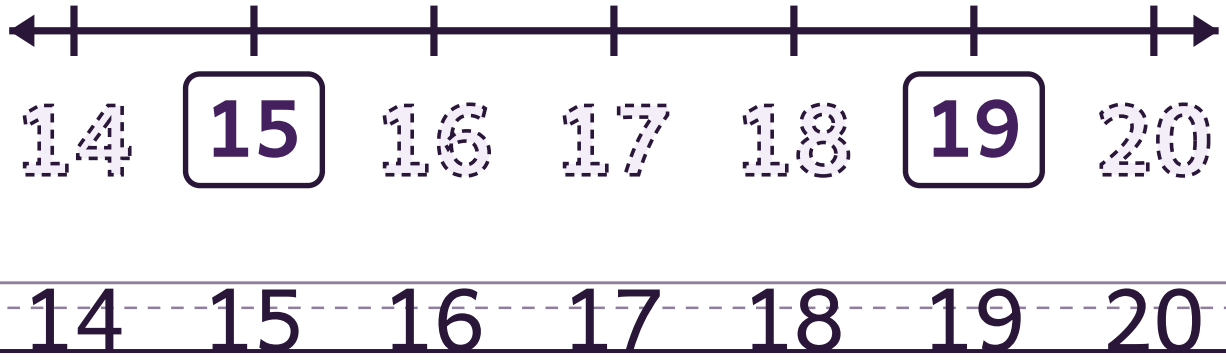
Answer Key: Trace Numbers on a Number Line



Trace each gray number. Write the missing numbers in the boxes.
Then write the whole line on the writing line.





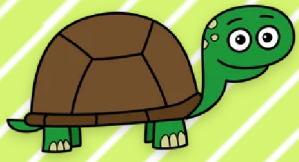


Start each number at the top. The numbers get bigger as you go right!

Art © Kevin Coulston

ANSWER KEY · NUMBER TRACING · FOR GROWN-UPS

Answer Key: Number Patterns: What Comes Next?



Read the pattern out loud. Write the next three numbers in the boxes.

1. 3 8 8 3 8 8 → 3 8 8

2. 6 7 6 7 6 7 → 6 7 6

3. 4 5 1 4 5 1 → 4 5 1

4. 5 5 4 4 5 5 → 4 4 5

5. 5 5 6 5 5 6 → 5 5 6

6. 2 3 4 5 6 7 → 8 9 10

7. 2 4 6 8 10 12 → 14 16 18

8. 14 13 12 11 10 9 → 8 7 6

Art © Kevin Coulston

ANSWER KEY · NUMBER TRACING · FOR GROWN-UPS

Answer Key: Find and Circle the Number



Look at the number in the star. Circle it every time you see it in the row. How many did you find?

14	35	41	**14**	41	57	**14**	**14**	**14**	41	**14**	5
13	96	31	94	81	31	43	**13**	**13**	**13**	31	3
5	**5**	**5**	2	**5**	0	**5**	7	2	2	**5**	5
3	8	8	8	**3**	**3**	**3**	**3**	5	**3**	0	5
6	**6**	9	**6**	1	**6**	9	8	7	9	**6**	4
16	**16**	**16**	88	19	19	**16**	17	**16**	19	**16**	5
12	**12**	**12**	21	43	**12**	21	**12**	**12**	29	21	5
17	71	**17**	**17**	47	**17**	**17**	**17**	71	71	65	5

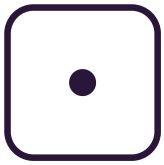
Art © Kevin Coulston

ANSWER KEY · NUMBER TRACING · FOR GROWN-UPS

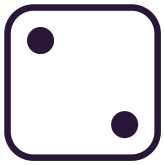
Answer Key: Roll and Write: Dice Numbers



Count the dots on the die. Write the number in the box. Then write it three more times.



1 1 1 1



2 2 2 2



5 5 5 5



6 6 6 6



3 3 3 3



4 4 4 4

Art © Kevin Coulston

ANSWER KEY · NUMBER TRACING · FOR GROWN-UPS

Answer Key: Spot the Backwards Numbers

Some numbers are backwards! Put an X on each backwards number.
How many did you find?



X	2	6	3	3	X
X	9	7	9	6	9
X	9	9	2	9	4
6	4	X	9	4	6
4	5	4	3	X	X
3	2	X	X	3	X

How many backwards numbers did you find? 10

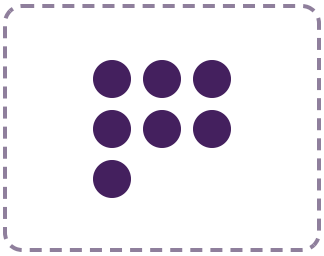
Art © Kevin Coulston

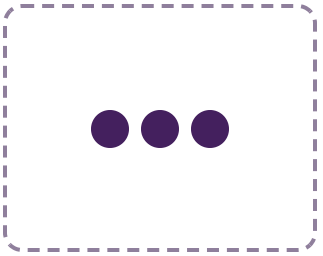
ANSWER KEY · NUMBER TRACING · FOR GROWN-UPS

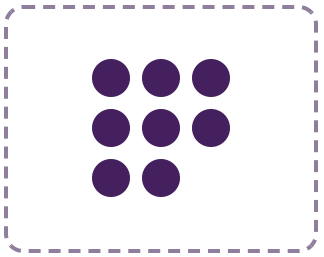
Answer Key: Read the Number Word, Draw the Dots

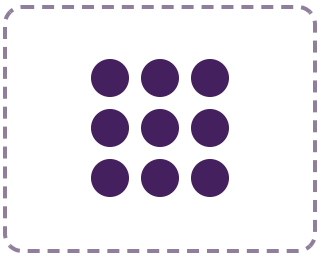
Read the number word. Draw that many dots. Write the number.

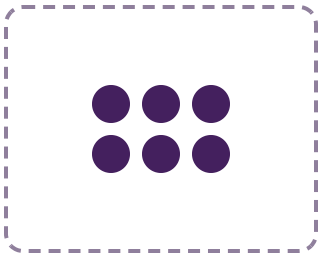


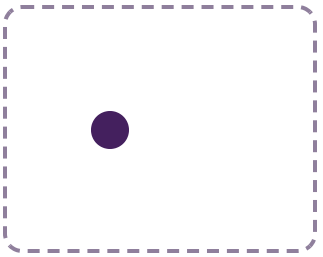
1 seven  7

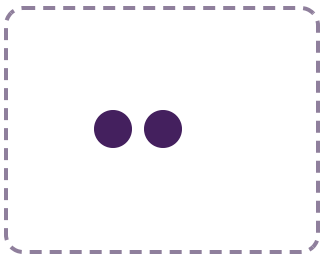
2 three  3

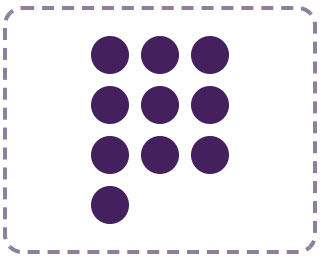
3 eight  8

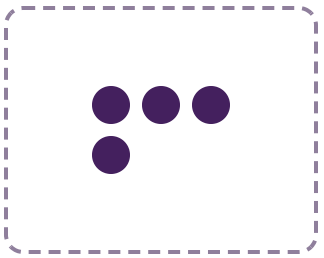
4 nine  9

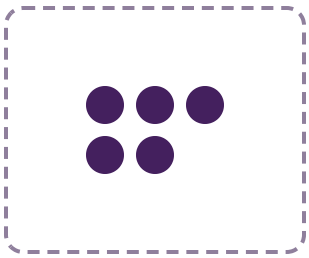
5 six  6

6 one  1

7 two  2

8 ten  10

9 four  4

10 five  5

Art © Kevin Coulston

ANSWER KEY · NUMBER TRACING · FOR GROWN-UPS

Answer Key: Mystery Picture: Color by Number Word



Read the word in each square. Color it to match the key. What picture do you see?

Color key

1 = blue 2 = yellow 3 = green 4 = red

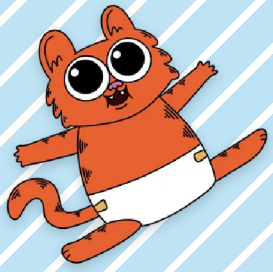
one	one	one	one	one	one	one	one	one	one
one	one	two	two	two	two	one	one	one	four
one	two	two	two	two	two	two	one	four	four
two	three	two	two	two	two	two	two	four	four
two	two	two	two	two	two	two	two	four	four
two	two	two	two	two	two	two	two	four	four
one	two	two	two	two	two	two	one	four	four
one	one	two	two	two	two	one	one	one	four
one	one	one	one	one	one	one	one	one	one
three	three	one	one	three	three	one	one	three	three

Art © Kevin Coulston

ANSWER KEY · COUNTING · FOR GROWN-UPS

Answer Key: Odd and Even: Pair the Dots

Circle the dots in pairs. Is one dot left over? Write the number, then circle odd or even.



1



2

odd **even**

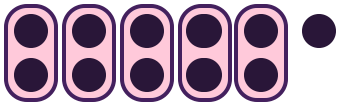
2



5

odd even

3



11

odd even

4



10

odd **even**

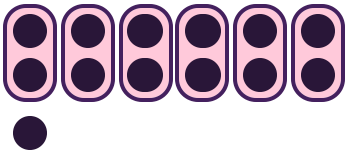
5



4

odd **even**

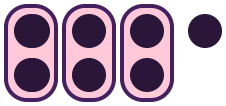
6



13

odd even

7



7

odd even

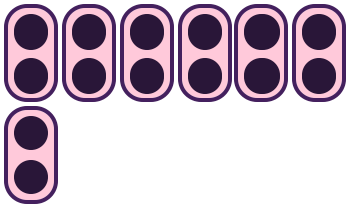
8



9

odd even

9



14

odd **even**

10



12

odd **even**

Art © Kevin Coulston

ANSWER KEY · COUNTING · FOR GROWN-UPS

Answer Key: Fill In the Number Line

Count along each number line. Write the missing numbers in the boxes.



0 1 2 **3** **4** **5** 6 7 **8** 9 10

8 9 10 11 12 **13** **14** 15 **16** 17 **18**

20 **21** 22 **23** 24 25 26 27 **28** **29** 30

45 46 47 **48** **49** **50** 51 52 **53** 54 55

72 73 **74** 75 76 77 **78** **79** 80 **81** 82

90 **91** 92 **93** 94 **95** 96 **97** 98 99 100

Art © Kevin Coulston

ANSWER KEY · COUNTING · FOR GROWN-UPS

Answer Key: Counting to 120

Count from 61 to 120. Write the missing numbers. What comes after 100?



61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120

After 100 comes 101, 102, 103... Count just like 1, 2, 3, with a 1 in front!

Art © Kevin Coulston

ANSWER KEY · COUNTING · FOR GROWN-UPS

Answer Key: Put Numbers in Order

Write the numbers in order from the smallest to the biggest.



1

3 1 4 5

1 , 3 , 4 , 5

2

13 9 3 18

3 , 9 , 13 , 18

3

5 4 17 16

4 , 5 , 16 , 17

4

20 13 14 1

1 , 13 , 14 , 20

5

7 15 20 1

1 , 7 , 15 , 20

6

44 14 21 30

14 , 21 , 30 , 44

7

19 37 41 13

13 , 19 , 37 , 41

8

29 38 34 2

2 , 29 , 34 , 38

9

40 46 50 35

35 , 40 , 46 , 50

10

49 38 48 36

36 , 38 , 48 , 49

Art © Kevin Coulston

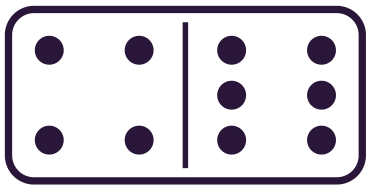
ANSWER KEY · COUNTING · FOR GROWN-UPS

Answer Key: Domino Dot Count

Count the dots on each side of the domino. Write how many in all.

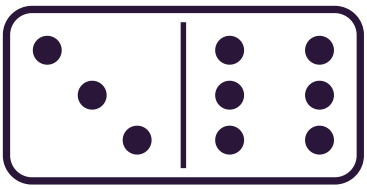


1



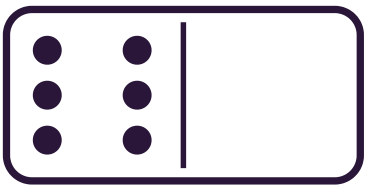
4 + 6 = 10

2



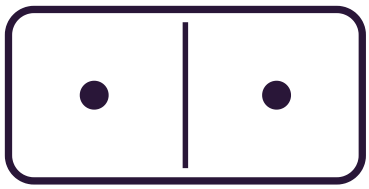
3 + 6 = 9

3



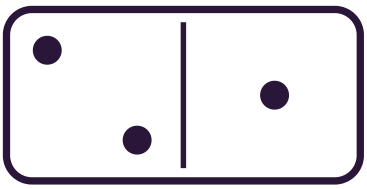
6 + 0 = 6

4



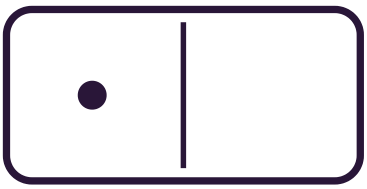
1 + 1 = 2

5



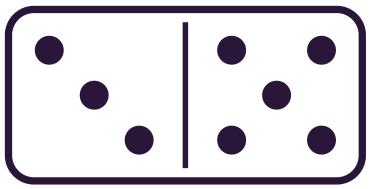
2 + 1 = 3

6



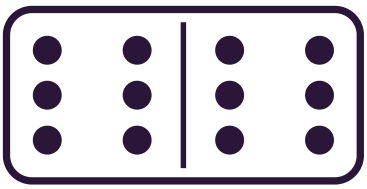
1 + 0 = 1

7



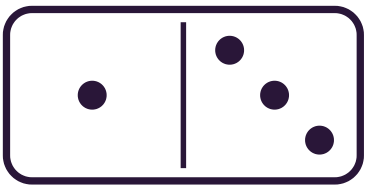
3 + 5 = 8

8



6 + 6 = 12

9

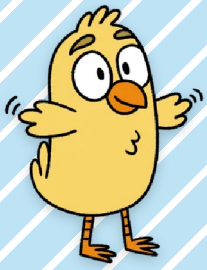


1 + 3 = 4

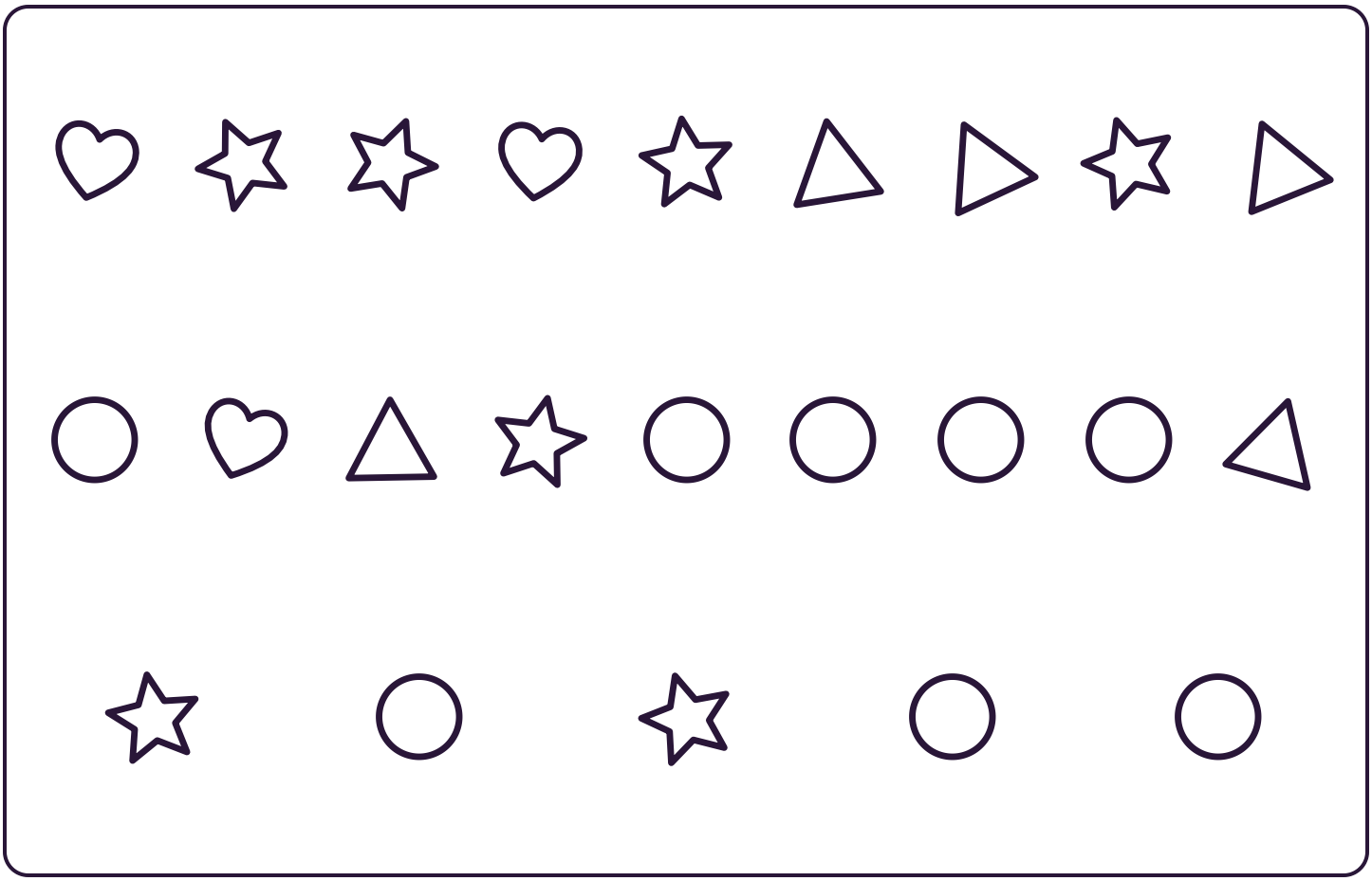
Art © Kevin Coulston

ANSWER KEY · COUNTING · FOR GROWN-UPS

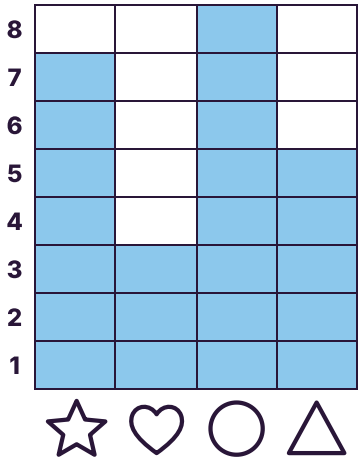
Answer Key: Count and Graph the Shapes



Count each shape. Color one box in the graph for each one. Then answer the questions.



Color the graph



Answer

Which shape is there the most of? circles

Which shape is there the fewest of? hearts

How many stars and hearts are there in all? 10

Art © Kevin Coulston

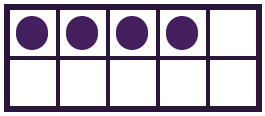
ANSWER KEY · COUNTING · FOR GROWN-UPS

Answer Key: One More and One Less to 10



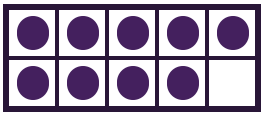
Count the dots. Write the number in the middle. Write one less and one more.

1



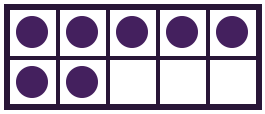
3	4	5
1 less	the number	1 more

2



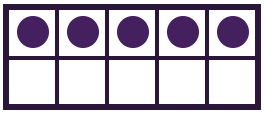
8	9	10
1 less	the number	1 more

3



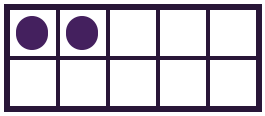
6	7	8
1 less	the number	1 more

4



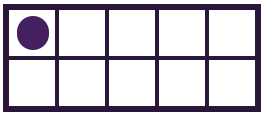
4	5	6
1 less	the number	1 more

5



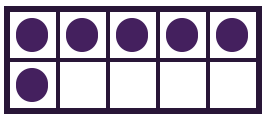
1	2	3
1 less	the number	1 more

6



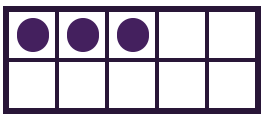
0	1	2
1 less	the number	1 more

7



5	6	7
1 less	the number	1 more

8



2	3	4
1 less	the number	1 more

Art © Kevin Coulston

ANSWER KEY · COUNTING · FOR GROWN-UPS

Answer Key: Count On Past a Ten

Start at the first number. Count on by ones. Write the next numbers in the train.



1. 48 – 49 – 50 – 51 – 52 – 53 – 54

2. 86 – 87 – 88 – 89 – 90 – 91 – 92

3. 94 – 95 – 96 – 97 – 98 – 99 – 100

4. 35 – 36 – 37 – 38 – 39 – 40 – 41

5. 67 – 68 – 69 – 70 – 71 – 72 – 73

6. 58 – 59 – 60 – 61 – 62 – 63 – 64

7. 75 – 76 – 77 – 78 – 79 – 80 – 81

8. 26 – 27 – 28 – 29 – 30 – 31 – 32

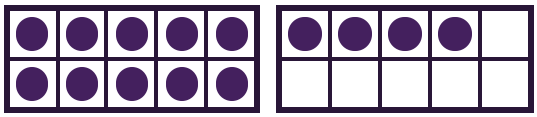
Art © Kevin Coulston

ANSWER KEY · COUNTING · FOR GROWN-UPS

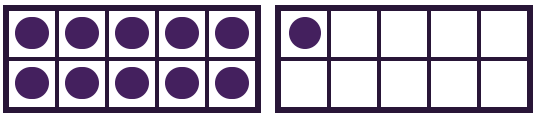
Answer Key: Teen Numbers: Ten and Some More

One ten frame is full. Count the extra dots. Write 10 + ___ = ___.

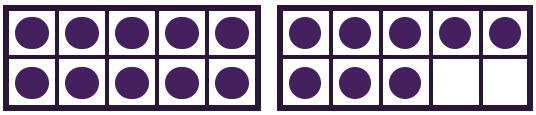


1 

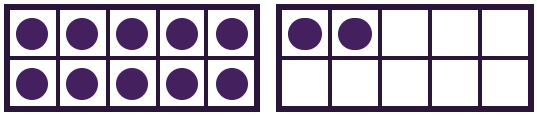
10 + 4 = 14

2 

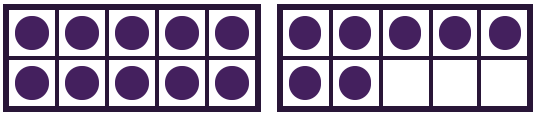
10 + 1 = 11

3 

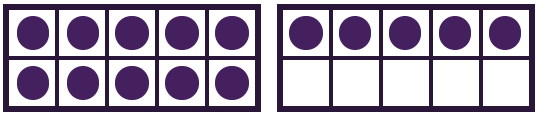
10 + 8 = 18

4 

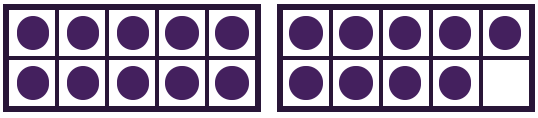
10 + 2 = 12

5 

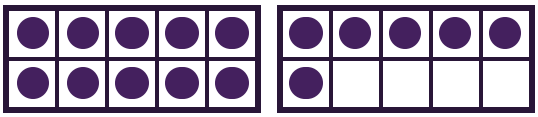
10 + 7 = 17

6 

10 + 5 = 15

7 

10 + 9 = 19

8 

10 + 6 = 16

Art © Kevin Coulston

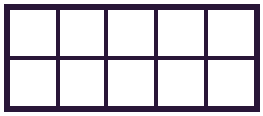
ANSWER KEY · COUNTING · FOR GROWN-UPS

Answer Key: How Many More to Make 10?



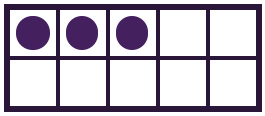
Count the dots. How many empty boxes are left? That is how many more make 10.

1



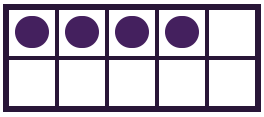
0 + 10 = 10

2



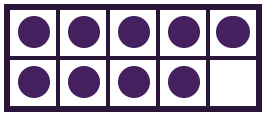
3 + 7 = 10

3



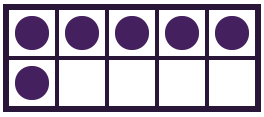
4 + 6 = 10

4



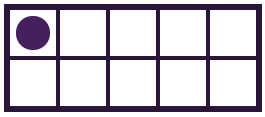
9 + 1 = 10

5



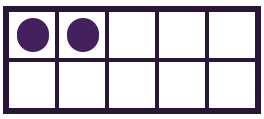
6 + 4 = 10

6



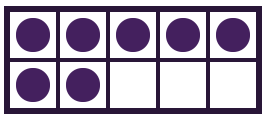
1 + 9 = 10

7



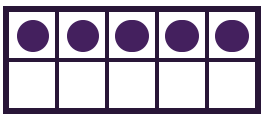
2 + 8 = 10

8



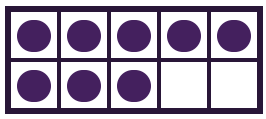
7 + 3 = 10

9



5 + 5 = 10

10



8 + 2 = 10

Art © Kevin Coulston

ANSWER KEY · ADDITION & SUBTRACTION · FOR GROWN-UPS

Answer Key: Picture Subtraction: Cross Out

Cross out the number you take away. Count the circles that are left. Write the answer.



1 

4 − 2 = 2

2 

9 − 4 = 5

3 

6 − 5 = 1

4 

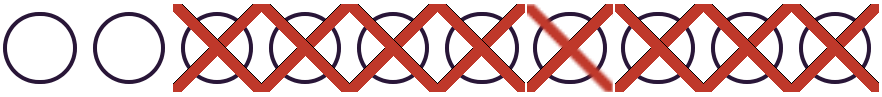
10 − 1 = 9

5 

7 − 3 = 4

6 

5 − 4 = 1

7 

10 − 8 = 2

8 

10 − 4 = 6

Art © Kevin Coulston

ANSWER KEY · ADDITION & SUBTRACTION · FOR GROWN-UPS

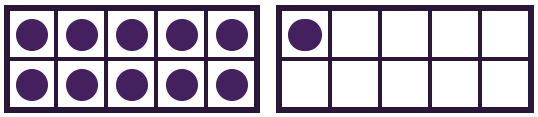
Answer Key: Make a Ten to Add

Fill the first ten frame. How many are left over? Write 10 + ___. Then write the answer.



1

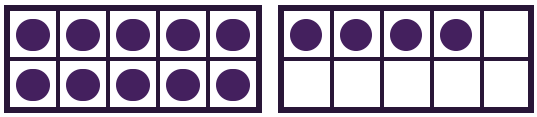
7 + 4



10 + 1 = 11

2

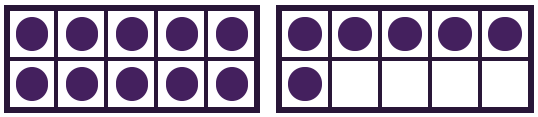
7 + 7



10 + 4 = 14

3

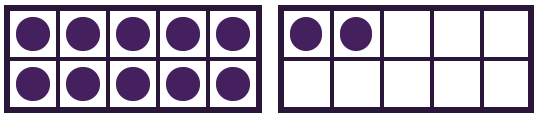
9 + 7



10 + 6 = 16

4

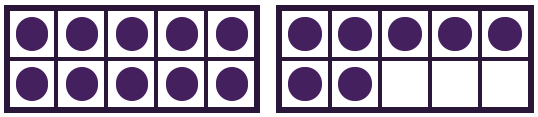
9 + 3



10 + 2 = 12

5

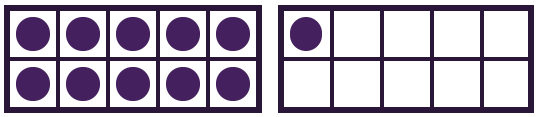
8 + 9



10 + 7 = 17

6

8 + 3



10 + 1 = 11

Art © Kevin Coulston

ANSWER KEY · ADDITION & SUBTRACTION · FOR GROWN-UPS

Answer Key: True or False Equations

Is the number sentence true? Do both sides make the same number? Circle T or F.



1 $4 = 5 - 1$	**T** F	2 $8 + 3 = 6 + 6$	T **F**
3 $17 - 8 = 9$	**T** F	4 $10 = 6 + 3$	T **F**
5 $8 = 11 - 3$	**T** F	6 $3 + 1 = 6$	T **F**
7 $7 + 6 = 13$	**T** F	8 $8 = 3 + 4$	T **F**
9 $7 = 12 - 5$	**T** F	10 $9 + 8 = 18$	T **F**
11 $3 + 3 = 3 + 3$	**T** F	12 $8 + 1 = 6 + 5$	T **F**
13 $10 - 5 = 5$	**T** F	14 $8 - 5 = 5$	T **F**
15 $2 + 1 = 1 + 2$	**T** F	16 $6 = 2 + 5$	T **F**

Art © Kevin Coulston

ANSWER KEY · ADDITION & SUBTRACTION · FOR GROWN-UPS

Answer Key: Add and Subtract Tens

Add or subtract the tens. The ones stay the same!



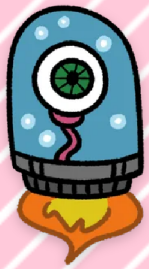
1 90 − 30 = 60	2 60 + 10 = 70	3 30 − 20 = 10
4 80 + 10 = 90	5 59 + 20 = 79	6 86 − 10 = 76
7 58 + 30 = 88	8 24 + 10 = 34	9 40 − 10 = 30
10 51 − 20 = 31	11 78 + 20 = 98	12 40 + 40 = 80
13 40 + 10 = 50	14 71 + 10 = 81	15 27 − 10 = 17
16 50 − 40 = 10	17 72 + 10 = 82	18 29 − 10 = 19
19 46 + 30 = 76	20 22 + 10 = 32	21 20 − 10 = 10
22 40 + 30 = 70	23 48 + 10 = 58	24 80 − 70 = 10
25 11 + 30 = 41	26 23 − 10 = 13	27 63 + 30 = 93
28 98 − 70 = 28	29 55 − 30 = 25	30 10 + 30 = 40

Art © Kevin Coulston

ANSWER KEY · ADDITION & SUBTRACTION · FOR GROWN-UPS

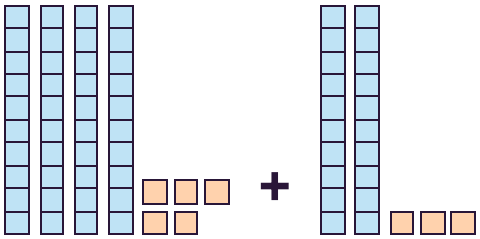
Answer Key: Two-Digit Addition with Base-Ten Blocks

Count all the tens. Count all the ones. Write the sum.



1

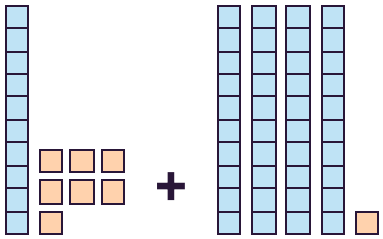
45 + 23



6 tens 8 ones = 68

2

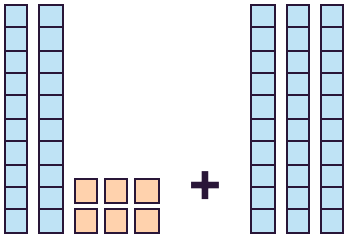
17 + 41



5 tens 8 ones = 58

3

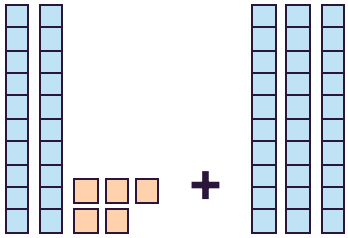
26 + 30



5 tens 6 ones = 56

4

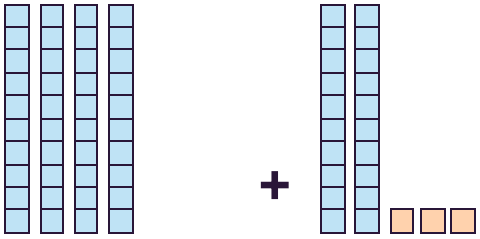
25 + 30



5 tens 5 ones = 55

5

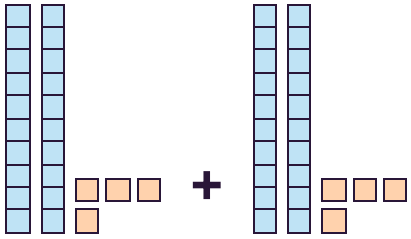
40 + 23



6 tens 3 ones = 63

6

24 + 24



4 tens 8 ones = 48

Art © Kevin Coulston

ANSWER KEY · ADDITION & SUBTRACTION · FOR GROWN-UPS

Answer Key: Open Number Line: Jump by Tens and Ones

Start at the first number. Jump the tens, then the ones. Write where you land.



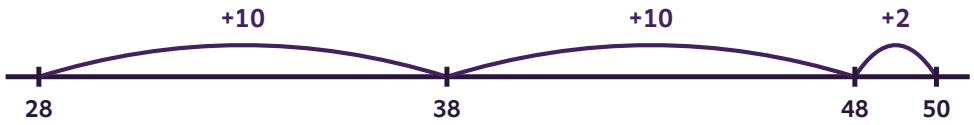
1

28 + 12 = **40**



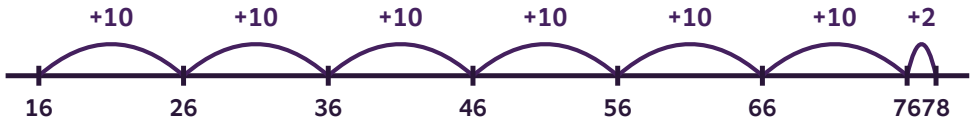
2

28 + 22 = **50**



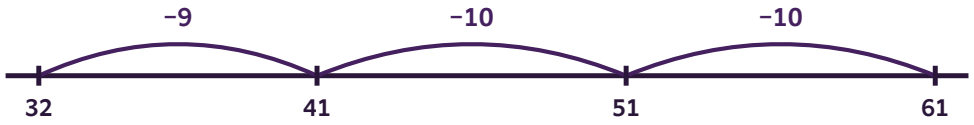
3

16 + 62 = **78**



4

61 − 29 = **32**



5

31 + 12 = **43**



6

57 + 27 = **84**



Art © Kevin Coulston

ANSWER KEY · ADDITION & SUBTRACTION · FOR GROWN-UPS

Answer Key: Addition Square Puzzles

Add across and add down. Fill in the missing numbers so every sum is right.



1

14	19	33
7	24	31
21	43	64

2

18	15	33
25	11	36
43	26	69

3

23	19	42
25	9	34
48	28	76

4

15	19	34
14	17	31
29	36	65

5

10	20	30
5	20	25
15	40	55

6

22	23	45
9	8	17
31	31	62

Art © Kevin Coulston

ANSWER KEY · ADDITION & SUBTRACTION · FOR GROWN-UPS

Answer Key: Estimate Sums and Differences



Round each number to the nearest ten or hundred. Add or subtract the rounded numbers. Then find the exact answer.

Problem	Round to the nearest	Rounded problem	Estimate	Exact answer
350 + 318	hundred	400 + 300	700	668
38 + 41	ten	40 + 40	80	79
658 + 427	hundred	700 + 400	1100	1085
212 + 301	hundred	200 + 300	500	513
74 − 41	ten	70 − 40	30	33
45 + 47	ten	50 + 50	100	92
66 − 48	ten	70 − 50	20	18
427 + 147	hundred	400 + 100	500	574
576 − 479	hundred	600 − 500	100	97
302 − 184	hundred	300 − 200	100	118

Art © Kevin Coulston

ANSWER KEY · ADDITION & SUBTRACTION · FOR GROWN-UPS

Answer Key: Four-Digit Addition and Subtraction

Add or subtract. Start with the ones. Regroup when you need to!



1

6714
−3012
= 3702

2

6990
+2477
= 9467

3

3217
+3421
= 6638

4

9761
−5097
= 4664

5

5478
−1242
= 4236

6

3272
−1494
= 1778

7

2260
+5226
= 7486

8

8115
−2401
= 5714

9

2049
+7733
= 9782

10

3168
−1997
= 1171

11

9579
−1143
= 8436

12

7655
−4625
= 3030

13

5626
+1132
= 6758

14

6018
−4679
= 1339

15

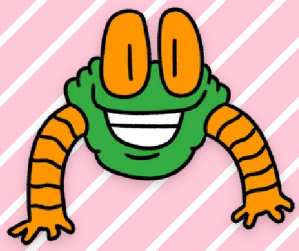
4567
−2988
= 1579

Art © Kevin Coulston

ANSWER KEY · ADDITION & SUBTRACTION · FOR GROWN-UPS

Answer Key: Subtraction Across Zeros

Subtract. When the digit is 0, borrow from the next place over. Check by adding!



1

305 − 177 = **128**

2

400 − 291 = **109**

3

903 − 757 = **146**

4

2001 − 1332 = **669**

5

503 − 427 = **76**

6

204 − 185 = **19**

7

606 − 238 = **368**

8

200 − 132 = **68**

9

500 − 196 = **304**

10

100 − 94 = **6**

11

205 − 166 = **39**

12

9001 − 8742 = **259**

13

5001 − 2462 = **2539**

14

804 − 775 = **29**

15

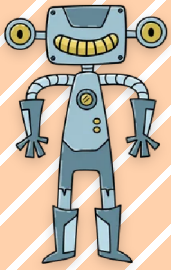
400 − 346 = **54**

Art © Kevin Coulston

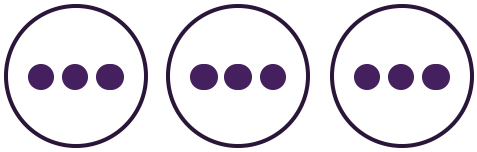
ANSWER KEY · MULTIPLICATION · FOR GROWN-UPS

Answer Key: Equal Groups Multiplication

How many groups? How many dots in each group? Write the multiplication sentence.



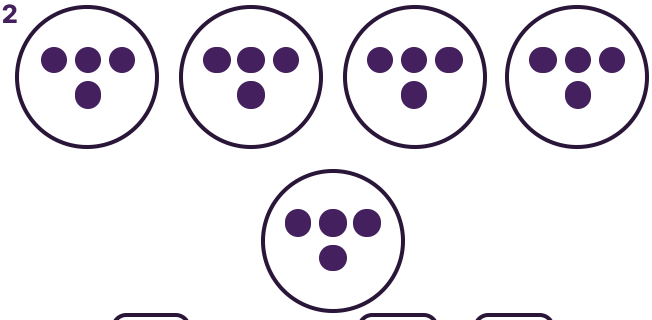
1



3 groups of 3 = 9

3 × 3 = 9

2



5 groups of 4 = 20

5 × 4 = 20

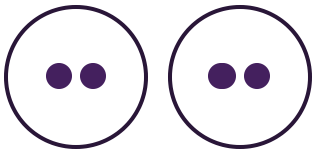
3



3 groups of 4 = 12

3 × 4 = 12

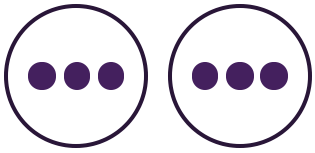
4



2 groups of 2 = 4

2 × 2 = 4

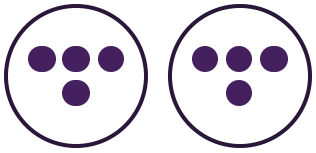
5



2 groups of 3 = 6

2 × 3 = 6

6



2 groups of 4 = 8

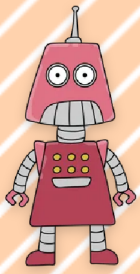
2 × 4 = 8

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ANSWER KEY · MULTIPLICATION · FOR GROWN-UPS

Answer Key: Multiply by Multiples of 10

Multiply the basic fact. Then put the zero on the end. 6 × 40 is 6 × 4 tens!



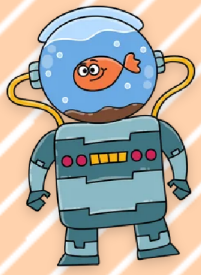
1 4 × 70 = 280	2 2 × 50 = 100	3 8 × 60 = 480
4 60 × 4 = 240	5 30 × 6 = 180	6 40 × 3 = 120
7 3 × 40 = 120	8 2 × 40 = 80	9 5 × 60 = 300
10 70 × 9 = 630	11 4 × 20 = 80	12 20 × 8 = 160
13 5 × 40 = 200	14 80 × 9 = 720	15 7 × 30 = 210
16 8 × 20 = 160	17 30 × 5 = 150	18 8 × 70 = 560
19 2 × 30 = 60	20 7 × 40 = 280	21 90 × 4 = 360
22 4 × 50 = 200	23 6 × 80 = 480	24 40 × 7 = 280
25 90 × 6 = 540	26 8 × 90 = 720	27 90 × 9 = 810
28 90 × 2 = 180	29 20 × 6 = 120	30 50 × 5 = 250

Art © Kevin Coulston

ANSWER KEY · MULTIPLICATION · FOR GROWN-UPS

Answer Key: Multiplication Facts: 11 and 12

Multiply. Tip: 12 × 6 is 10 × 6 plus 2 × 6!



1 3 × 12 = 36	2 11 × 6 = 66	3 1 × 12 = 12	4 7 × 12 = 84
5 0 × 12 = 0	6 2 × 12 = 24	7 9 × 11 = 99	8 6 × 12 = 72
9 12 × 3 = 36	10 11 × 7 = 77	11 12 × 9 = 108	12 11 × 0 = 0
13 8 × 12 = 96	14 12 × 6 = 72	15 5 × 11 = 55	16 7 × 11 = 77
17 1 × 11 = 11	18 11 × 5 = 55	19 12 × 10 = 120	20 12 × 7 = 84
21 11 × 1 = 11	22 10 × 11 = 110	23 11 × 8 = 88	24 2 × 11 = 22
25 12 × 4 = 48	26 4 × 11 = 44	27 12 × 8 = 96	28 8 × 11 = 88
29 12 × 2 = 24	30 11 × 2 = 22	31 3 × 11 = 33	32 12 × 5 = 60
33 12 × 1 = 12	34 10 × 12 = 120	35 0 × 11 = 0	36 11 × 3 = 33
37 4 × 12 = 48	38 9 × 12 = 108	39 12 × 0 = 0	40 11 × 4 = 44

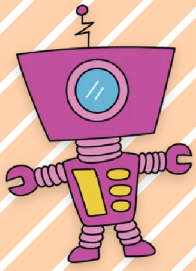
Time: _____ **Correct:** _____ **out of 40**

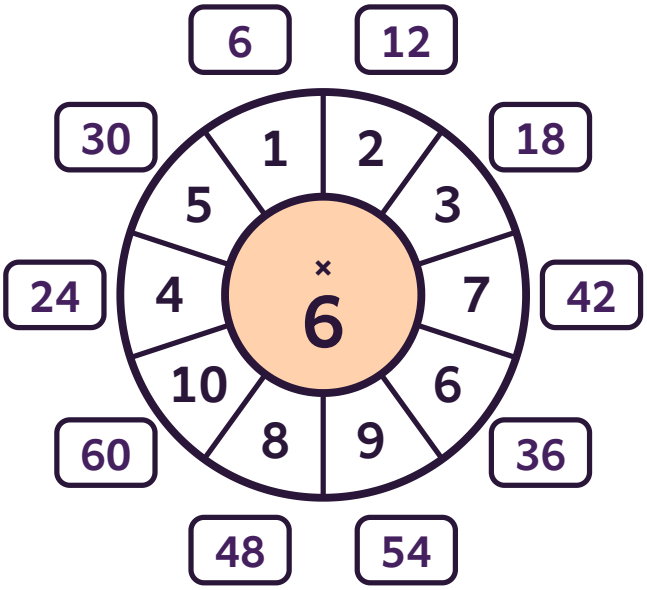
Art © Kevin Coulston

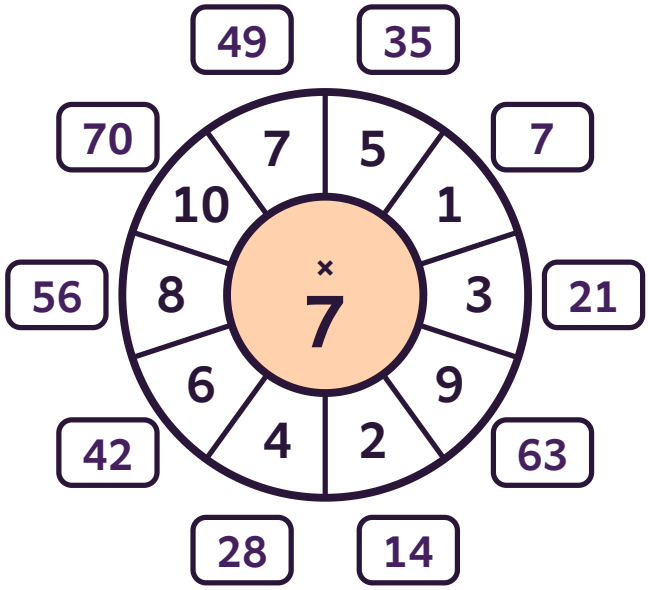
ANSWER KEY · MULTIPLICATION · FOR GROWN-UPS

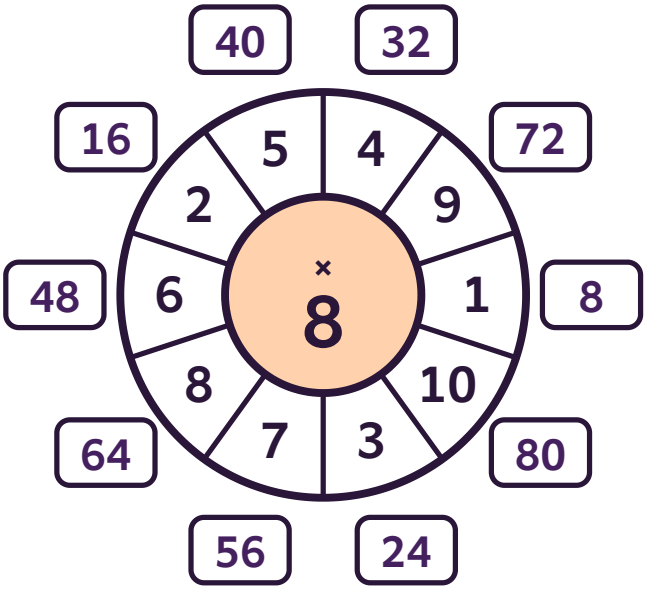
Answer Key: Times Table Wheels

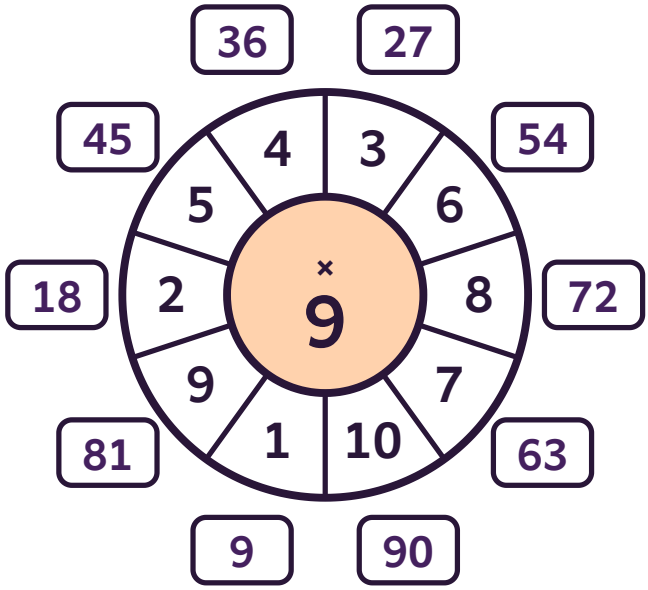
Multiply the number in the middle by each number on the ring. Write the product in the outer box.







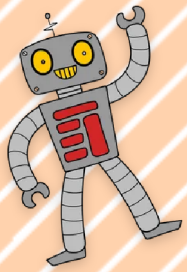




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ANSWER KEY · MULTIPLICATION · FOR GROWN-UPS

Answer Key: Skip Count by 3s, 4s, 6s, 7s, 8s and 9s



Count by the number on the left. Write the missing numbers in the train.

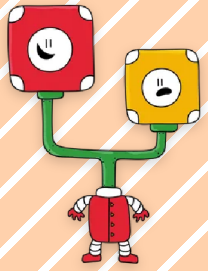
by 3s	3	6	9	12	15	18	21	24
by 4s	4	8	12	16	20	24	28	32
by 6s	6	12	18	24	30	36	42	48
by 7s	7	14	21	28	35	42	49	56
by 8s	8	16	24	32	40	48	56	64
by 9s	9	18	27	36	45	54	63	72
by 3s	30	33	36	39	42	45	48	51
by 6s	36	42	48	54	60	66	72	78
by 9s	45	54	63	72	81	90	99	108

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ANSWER KEY · MULTIPLICATION · FOR GROWN-UPS

Answer Key: Multiply Three Numbers

Multiply two of the numbers first, then multiply by the third. Look for a 2 and a 5 to make 10!



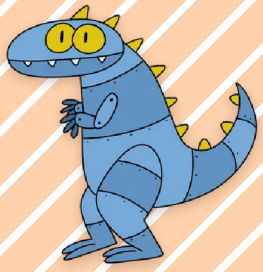
1 $3 \times 5 \times 6 =$ 90	2 $2 \times 5 \times 2 =$ 20	3 $2 \times 4 \times 3 =$ 24
4 $3 \times 2 \times 6 =$ 36	5 $5 \times 5 \times 5 =$ 125	6 $6 \times 2 \times 6 =$ 72
7 $5 \times 4 \times 4 =$ 80	8 $6 \times 5 \times 4 =$ 120	9 $3 \times 3 \times 4 =$ 36
10 $5 \times 2 \times 6 =$ 60	11 $5 \times 1 \times 5 =$ 25	12 $3 \times 2 \times 4 =$ 24
13 $4 \times 5 \times 3 =$ 60	14 $6 \times 3 \times 2 =$ 36	15 $6 \times 3 \times 5 =$ 90
16 $3 \times 3 \times 5 =$ 45	17 $3 \times 4 \times 2 =$ 24	18 $4 \times 3 \times 3 =$ 36
19 $5 \times 3 \times 4 =$ 60	20 $4 \times 4 \times 4 =$ 64	21 $3 \times 1 \times 4 =$ 12
22 $2 \times 1 \times 5 =$ 10	23 $5 \times 5 \times 3 =$ 75	24 $6 \times 5 \times 2 =$ 60

Art © Kevin Coulston

ANSWER KEY · MULTIPLICATION · FOR GROWN-UPS

Answer Key: Area Model Multiplication

Break the big number into hundreds, tens and ones. Multiply each part. Add the parts together.



1

21 × 4

	20	1
4	80	4

80 + 4 = 84

2

22 × 5

	20	2
5	100	10

100 + 10 = 110

3

26 × 4

	20	6
4	80	24

80 + 24 = 104

4

28 × 3

	20	8
3	60	24

60 + 24 = 84

5

51 × 9

	50	1
9	450	9

450 + 9 = 459

6

432 × 9

	400	30	2
9	3600	270	18

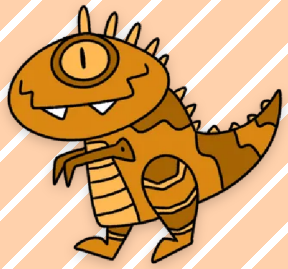
3600 + 270 + 18 = 3888

Art © Kevin Coulston

ANSWER KEY · MULTIPLICATION · FOR GROWN-UPS

Answer Key: Three-Digit by Two-Digit Multiplication

Multiply by the ones, then by the tens (start with a 0). Add the two rows.



1

985 × 43 = 42355

2

749 × 73 = 54677

3

576 × 83 = 47808

4

879 × 40 = 35160

5

800 × 27 = 21600

6

135 × 70 = 9450

7

632 × 96 = 60672

8

833 × 42 = 34986

9

317 × 55 = 17435

10

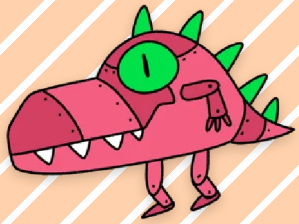
124 × 64 = 7936

Art © Kevin Coulston

ANSWER KEY · MULTIPLICATION · FOR GROWN-UPS

Answer Key: Factor Pairs

Find every pair of numbers that multiply to make the number. Is it prime (one pair) or composite?



Number	Factor pairs	Prime or composite?
54	1 × 54, 2 × 27, 3 × 18, 6 × 9	composite
28	1 × 28, 2 × 14, 4 × 7	composite
12	1 × 12, 2 × 6, 3 × 4	composite
45	1 × 45, 3 × 15, 5 × 9	composite
53	1 × 53	prime
23	1 × 23	prime
56	1 × 56, 2 × 28, 4 × 14, 7 × 8	composite
16	1 × 16, 2 × 8, 4 × 4	composite
32	1 × 32, 2 × 16, 4 × 8	composite
19	1 × 19	prime

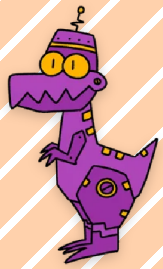
Start with 1 × the number, then try 2, 3, 4… Stop when the pairs start to repeat.

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ANSWER KEY · MULTIPLICATION · FOR GROWN-UPS

Answer Key: Prime or Composite?

A prime number has only two factors: 1 and itself. Circle P or C. Write a factor pair for each C.



1 **80** (P) (C)	8 × 10	2 **67** (P) C		3 **12** P (C)	3 × 4
4 **81** (P) (C)	9 × 9	5 **41** (P) C		6 **64** P (C)	8 × 8
7 **34** P (C)	2 × 17	8 **99** P (C)	9 × 11	9 **29** (P) C	
10 **65** P (C)	5 × 13	11 **96** P (C)	8 × 12	12 **35** P (C)	5 × 7
13 **85** P (C)	5 × 17	14 **71** (P) C		15 **49** P (C)	7 × 7
16 **66** P (C)	6 × 11	17 **47** (P) C		18 **37** (P) C	
19 **56** P (C)	7 × 8	20 **44** P (C)	4 × 11	21 **97** (P) C	
22 **90** P (C)	9 × 10	23 **5** (P) C		24 **3** (P) C	
25 **23** (P) C		26 **18** P (C)	3 × 6	27 **25** P (C)	5 × 5
28 **61** (P) C		29 **52** P (C)	4 × 13	30 **8** P (C)	2 × 4

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ANSWER KEY · DIVISION · FOR GROWN-UPS

Answer Key: Division with Arrays

Count all the dots. Count the rows. How many dots are in each row? Write the division sentence.



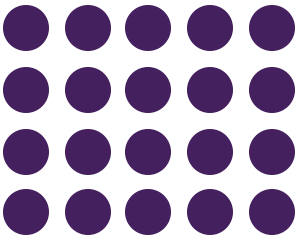
1



8 dots in 2 rows

8 ÷ 2 = 4

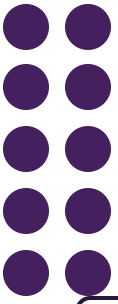
2



20 dots in 4 rows

20 ÷ 4 = 5

3



10 dots in 5 rows

10 ÷ 5 = 2

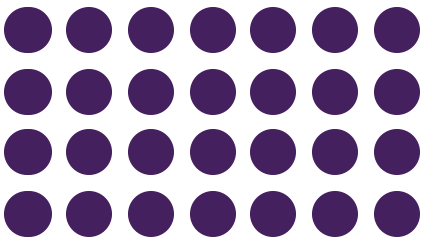
4



12 dots in 2 rows

12 ÷ 2 = 6

5



28 dots in 4 rows

28 ÷ 4 = 7

6



6 dots in 2 rows

6 ÷ 2 = 3

Art © Kevin Coulston

ANSWER KEY · DIVISION · FOR GROWN-UPS

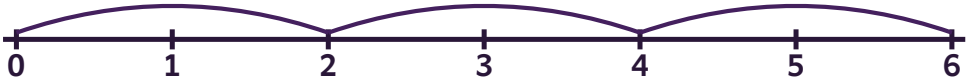
Answer Key: Division on a Number Line

Start at the big number. Hop back to 0 in jumps of the divisor. How many jumps did you make?



1

$6 \div 2 =$ **3**



2

$12 \div 2 =$ **6**



3

$30 \div 5 =$ **6**



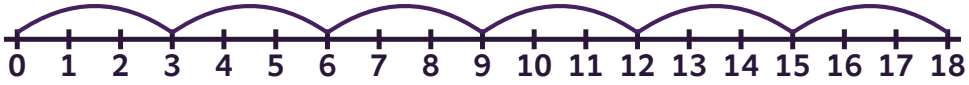
4

$24 \div 4 =$ **6**



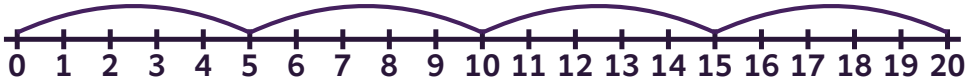
5

$18 \div 3 =$ **6**



6

$20 \div 5 =$ **4**



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ANSWER KEY · DIVISION · FOR GROWN-UPS

Answer Key: Division Facts: Divide by 11 and 12

Divide. Think: 11 or 12 times what makes the big number?



1 $132 \div 11 =$ 12	2 $72 \div 12 =$ 6	3 $121 \div 11 =$ 11
4 $24 \div 12 =$ 2	5 $44 \div 11 =$ 4	6 $12 \div 12 =$ 1
7 $110 \div 11 =$ 10	8 $144 \div 12 =$ 12	9 $88 \div 11 =$ 8
10 $33 \div 11 =$ 3	11 $66 \div 11 =$ 6	12 $36 \div 12 =$ 3
13 $22 \div 11 =$ 2	14 $99 \div 11 =$ 9	15 $55 \div 11 =$ 5
16 $84 \div 12 =$ 7	17 $120 \div 12 =$ 10	18 $132 \div 12 =$ 11
19 $11 \div 11 =$ 1	20 $0 \div 11 =$ 0	21 $96 \div 12 =$ 8
22 $48 \div 12 =$ 4	23 $108 \div 12 =$ 9	24 $77 \div 11 =$ 7

Time: _____ **Correct:** _____ **out of 24**

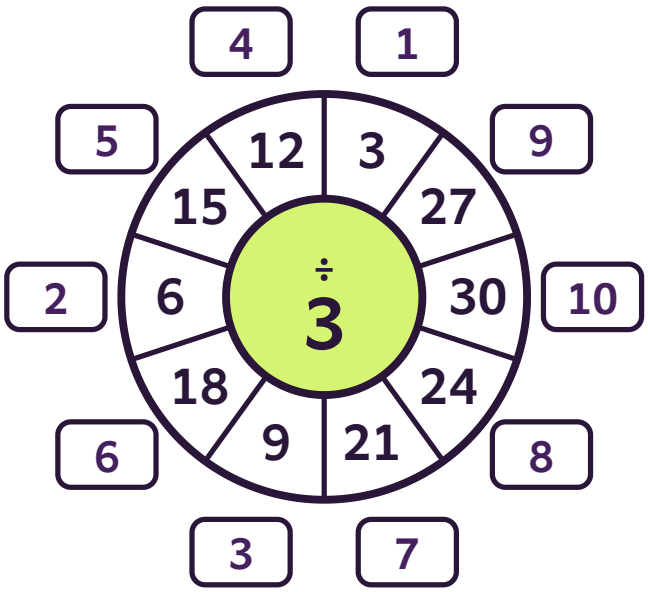
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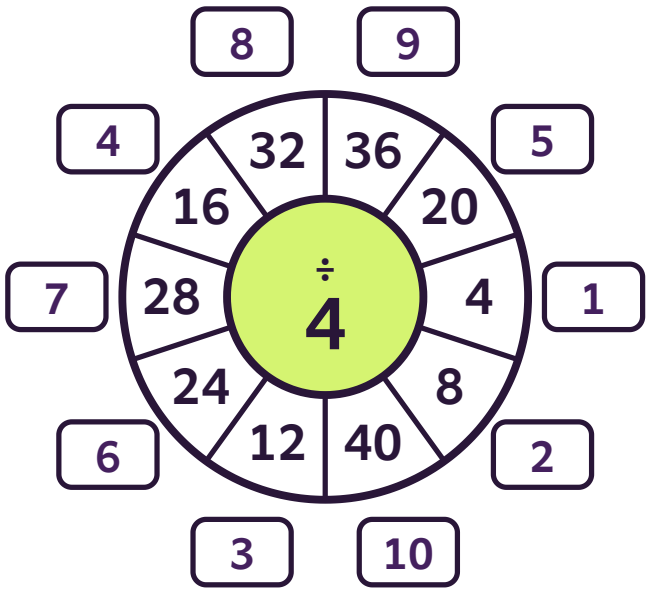
ANSWER KEY · DIVISION · FOR GROWN-UPS

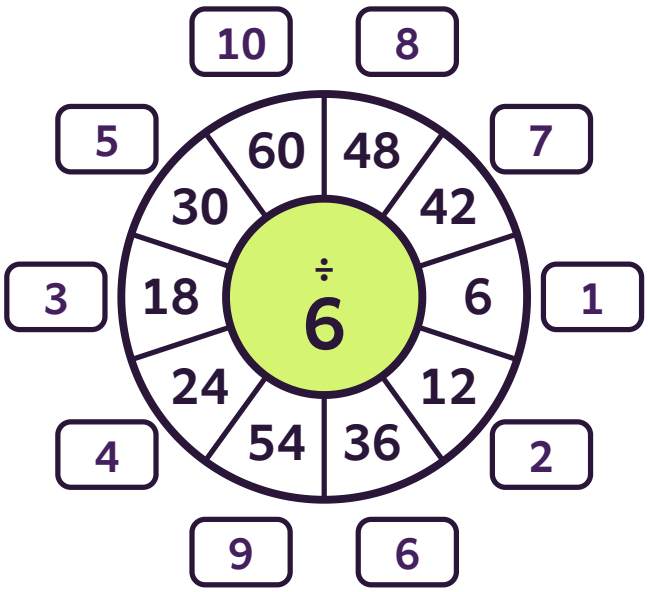
Answer Key: Division Wheels

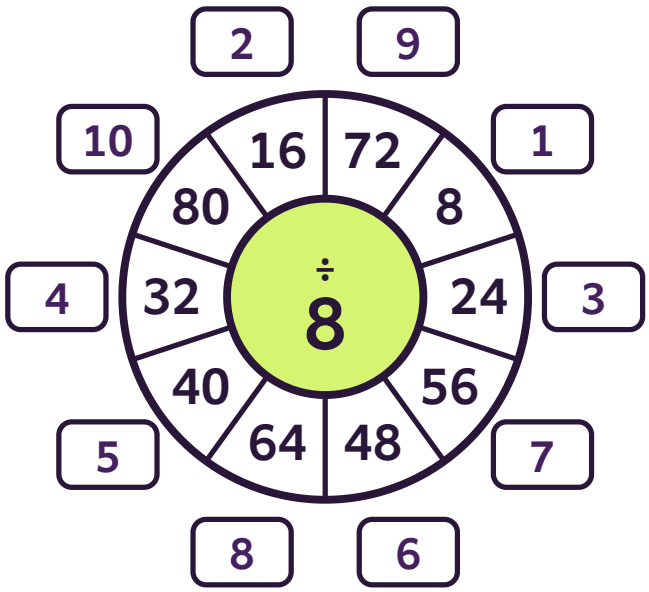
Divide each number on the ring by the number in the middle. Write the answer in the outer box.











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ANSWER KEY · DIVISION · FOR GROWN-UPS

Answer Key: Divisibility Rules for 2, 3, 5, 9 and 10



Use the rules in the box. Put a check in each column the number can be divided by with no remainder.

Divisibility rules

2: the last digit is 0, 2, 4, 6 or 8
3: the digits add up to a multiple of 3
5: the last digit is 0 or 5
9: the digits add up to a multiple of 9
10: the last digit is 0

Number	÷ 2	÷ 3	÷ 5	÷ 9	÷ 10
315		✓	✓	✓	
2,740	✓		✓		✓
2,680	✓		✓		✓
918	✓	✓		✓	
1,986	✓	✓			
2,670	✓	✓	✓		✓
1,125		✓	✓	✓	
1,710	✓	✓	✓	✓	✓
150	✓	✓	✓		✓
411		✓			

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ANSWER KEY · DIVISION · FOR GROWN-UPS

Answer Key: What Do I Do with the Remainder?

Divide. Then decide: round up, drop the remainder, or is the remainder the answer?



1 27 kids are going to the zoo. Each van holds 6 kids. How many vans are needed?

Answer: 5 **vans**

2 Mia has 50 inches of ribbon. Each bow takes 8 inches. How many whole bows can she make?

Answer: 6 **bows**

3 45 cookies are shared equally among 7 friends. How many cookies are left over?

Answer: 3 **cookies**

4 A book has 100 pages. Leo reads 9 pages a day. How many days does it take him to finish the book?

Answer: 12 **days**

5 38 students make teams of 4. The students left over help the coach. How many students help the coach?

Answer: 2 **students**

Art © Kevin Coulston

ANSWER KEY · DIVISION · FOR GROWN-UPS

Answer Key: Long Division: Four Digits by One Digit

Divide, multiply, subtract, bring down. Write any remainder with an R.



1 3335 — 2 ⟌ 6,670

2 934 R5 — 8 ⟌ 7,477

3 633 R3 — 7 ⟌ 4,434

4 440 R2 — 8 ⟌ 3,522

5 2835 — 3 ⟌ 8,505

6 270 — 9 ⟌ 2,430

7 883 R1 — 2 ⟌ 1,767

8 1909 R2 — 4 ⟌ 7,638

9 909 R5 — 8 ⟌ 7,277

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ANSWER KEY · DIVISION · FOR GROWN-UPS

Answer Key: Partial Quotients Division

Take away easy groups (like 100, 10 or 5 groups) until you can't. Add up the groups you took away.



1

791 ÷ 7

Take away	Left	Groups
− 700	91	100
− 70	21	10
− 14	7	2
− 7	0	1

Answer: 113

2

619 ÷ 6

Take away	Left	Groups
− 600	19	100
− 12	7	2
− 6	1	1

Answer: 103 R1

3

252 ÷ 6

Take away	Left	Groups
− 120	132	20
− 120	12	20
− 12	0	2

Answer: 42

4

1503 ÷ 9

Take away	Left	Groups
− 900	603	100
− 450	153	50
− 90	63	10
− 45	18	5
− 18	0	2

Answer: 167

Art © Kevin Coulston

ANSWER KEY · DIVISION · FOR GROWN-UPS

Answer Key: Check Division with Multiplication

Check each answer: quotient × divisor + remainder. Does it make the dividend? Circle right or wrong.



1. 48 ÷ 6 = 8 — 8 × 6 + 0 = 48 — **right** / wrong

2. 52 ÷ 4 = 13 — 13 × 4 + 0 = 52 — **right** / wrong

3. 57 ÷ 9 = 6 R4 — 6 × 9 + 4 = 58 — right / **wrong**

4. 59 ÷ 5 = 11 R3 — 11 × 5 + 3 = 58 — right / **wrong**

5. 189 ÷ 9 = 20 — 20 × 9 + 0 = 180 — right / **wrong**

6. 133 ÷ 6 = 22 R1 — 22 × 6 + 1 = 133 — **right** / wrong

7. 43 ÷ 3 = 15 R1 — 15 × 3 + 1 = 46 — right / **wrong**

8. 24 ÷ 3 = 9 — 9 × 3 + 0 = 27 — right / **wrong**

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ANSWER KEY · DIVISION · FOR GROWN-UPS

Answer Key: Divide Decimals by Whole Numbers

Divide like whole numbers. Put the decimal point in the answer right above the one in the dividend.



1 $1.95 \div 5 =$ 0.39	2 $3.28 \div 8 =$ 0.41	3 $1.18 \div 2 =$ 0.59
4 $13.6 \div 8 =$ 1.7	5 $1.65 \div 5 =$ 0.33	6 $3.84 \div 8 =$ 0.48
7 $1.26 \div 3 =$ 0.42	8 $23.8 \div 7 =$ 3.4	9 $31.5 \div 7 =$ 4.5
10 $5.7 \div 3 =$ 1.9	11 $19.6 \div 7 =$ 2.8	12 $5.95 \div 7 =$ 0.85
13 $2.85 \div 3 =$ 0.95	14 $3.57 \div 7 =$ 0.51	15 $2.88 \div 8 =$ 0.36
16 $4.8 \div 4 =$ 1.2	17 $0.98 \div 2 =$ 0.49	18 $9.9 \div 9 =$ 1.1
19 $14.1 \div 3 =$ 4.7	20 $14.4 \div 4 =$ 3.6	21 $2.65 \div 5 =$ 0.53
22 $0.76 \div 4 =$ 0.19	23 $13.5 \div 5 =$ 2.7	24 $2.28 \div 3 =$ 0.76

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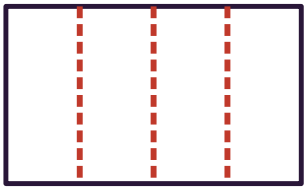
ANSWER KEY · FRACTIONS · FOR GROWN-UPS

Answer Key: Split Shapes into Equal Parts

Draw lines to cut the shape into the equal parts named under it.

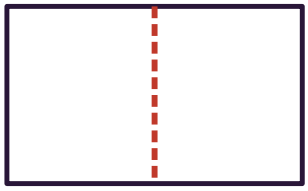


1



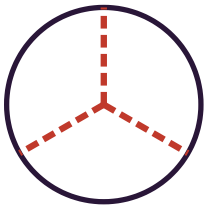
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2



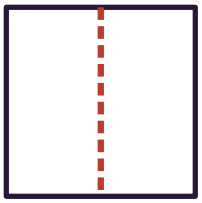
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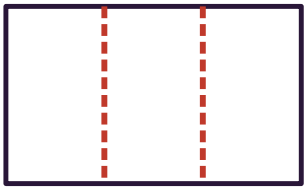
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4



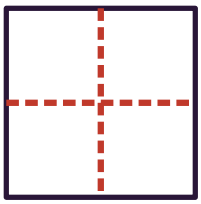
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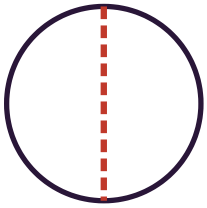
thirds

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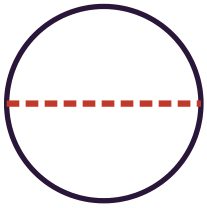
fourths

7



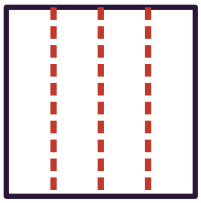
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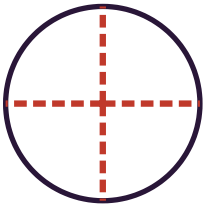
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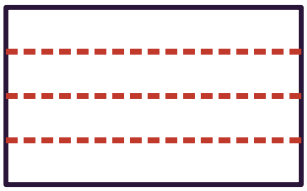
fourths

10



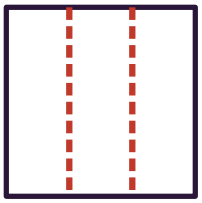
fourths

11



fourths

12



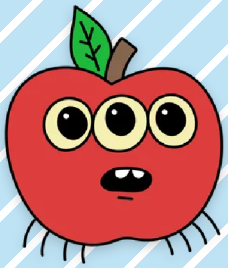
thirds

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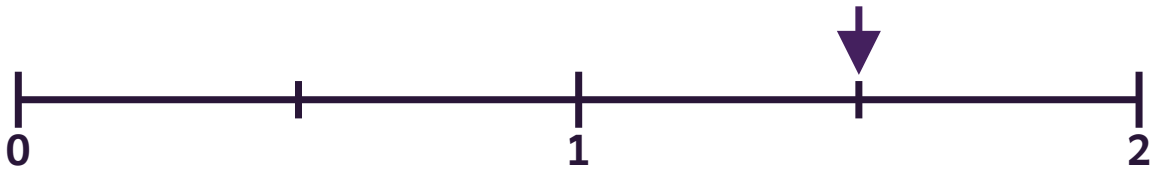
ANSWER KEY · FRACTIONS · FOR GROWN-UPS

Answer Key: Fractions Greater Than 1 on a Number Line

Count the equal jumps from 0. Write the fraction at the arrow. It can be more than 1!

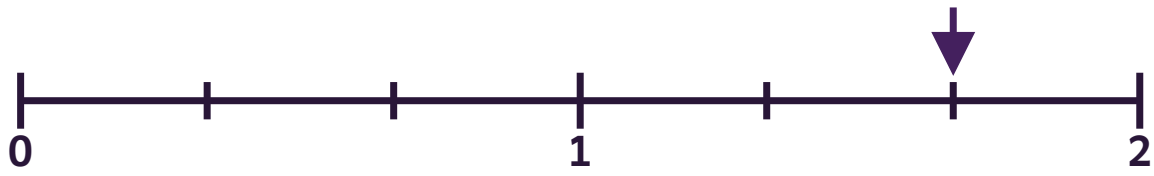


1



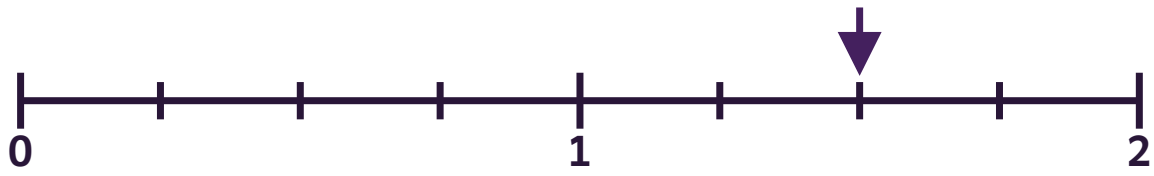
$\frac{3}{2}$

2



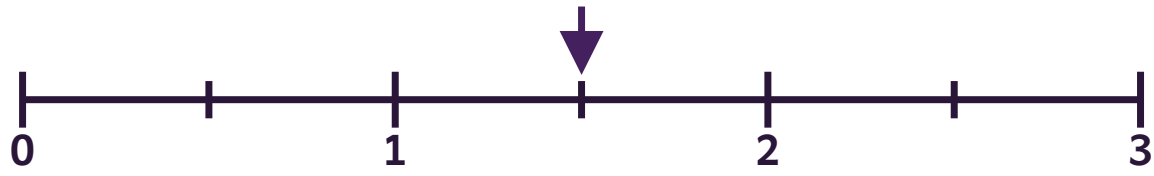
$\frac{5}{3}$

3



$\frac{6}{4}$

4



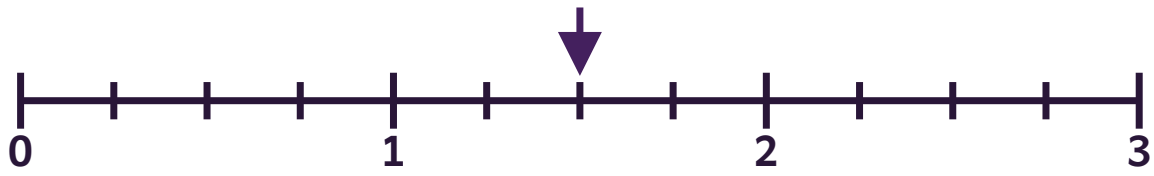
$\frac{3}{2}$

5



$\frac{8}{3}$

6



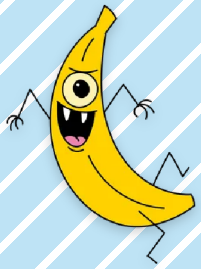
$\frac{6}{4}$

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ANSWER KEY · FRACTIONS · FOR GROWN-UPS

Answer Key: Order Fractions from Least to Greatest

Same bottom number? Compare the tops. Same top number? The bigger bottom number makes smaller pieces!



1 $\frac{1}{5}, \frac{4}{5}, \frac{3}{5} \rightarrow \frac{1}{5} < \frac{3}{5} < \frac{4}{5}$

2 $\frac{3}{6}, \frac{3}{12}, \frac{3}{5} \rightarrow \frac{3}{12} < \frac{3}{6} < \frac{3}{5}$

3 $\frac{5}{6}, \frac{4}{6}, \frac{1}{6} \rightarrow \frac{1}{6} < \frac{4}{6} < \frac{5}{6}$

4 $\frac{1}{10}, \frac{1}{4}, \frac{1}{12} \rightarrow \frac{1}{12} < \frac{1}{10} < \frac{1}{4}$

5 $\frac{6}{8}, \frac{3}{8}, \frac{7}{8} \rightarrow \frac{3}{8} < \frac{6}{8} < \frac{7}{8}$

6 $\frac{1}{8}, \frac{1}{5}, \frac{1}{10} \rightarrow \frac{1}{10} < \frac{1}{8} < \frac{1}{5}$

7 $\frac{6}{12}, \frac{5}{12}, \frac{3}{12} \rightarrow \frac{3}{12} < \frac{5}{12} < \frac{6}{12}$

8 $\frac{1}{10}, \frac{1}{3}, \frac{1}{5} \rightarrow \frac{1}{10} < \frac{1}{5} < \frac{1}{3}$

Least means smallest. Write the smallest fraction first.

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ANSWER KEY · FRACTIONS · FOR GROWN-UPS

Answer Key: Simplify Fractions

Find a number that divides the top and the bottom. Keep going until you can't divide any more.



1

$$\frac{20}{24} = \frac{5}{6}$$

2

$$\frac{6}{10} = \frac{3}{5}$$

3

$$\frac{8}{14} = \frac{4}{7}$$

4

$$\frac{12}{15} = \frac{4}{5}$$

5

$$\frac{2}{8} = \frac{1}{4}$$

6

$$\frac{8}{12} = \frac{2}{3}$$

7

$$\frac{4}{24} = \frac{1}{6}$$

8

$$\frac{3}{9} = \frac{1}{3}$$

9

$$\frac{10}{14} = \frac{5}{7}$$

10

$$\frac{6}{8} = \frac{3}{4}$$

11

$$\frac{12}{16} = \frac{3}{4}$$

12

$$\frac{9}{12} = \frac{3}{4}$$

13

$$\frac{6}{21} = \frac{2}{7}$$

14

$$\frac{4}{6} = \frac{2}{3}$$

15

$$\frac{4}{20} = \frac{1}{5}$$

16

$$\frac{16}{20} = \frac{4}{5}$$

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ANSWER KEY · FRACTIONS · FOR GROWN-UPS

Answer Key: Multiply a Fraction by a Whole Number

Multiply the whole number by the numerator. Keep the denominator. More than 1? Write a mixed number.



1 $6 \times \frac{1}{3} = 2\frac{}{}$

2 $6 \times \frac{7}{9} = 4\frac{2}{3}$

3 $2 \times \frac{7}{9} = 1\frac{5}{9}$

4 $4 \times \frac{3}{8} = 1\frac{1}{2}$

5 $2 \times \frac{5}{8} = 1\frac{1}{4}$

6 $6 \times \frac{1}{4} = 1\frac{1}{2}$

7 $2 \times \frac{1}{5} = \frac{2}{5}$

8 $2 \times \frac{4}{5} = 1\frac{3}{5}$

9 $4 \times \frac{1}{5} = \frac{4}{5}$

10 $3 \times \frac{1}{7} = \frac{3}{7}$

11 $4 \times \frac{3}{5} = 2\frac{2}{5}$

12 $3 \times \frac{1}{6} = \frac{1}{2}$

13 $6 \times \frac{2}{3} = 4\frac{}{}$

14 $2 \times \frac{2}{9} = \frac{4}{9}$

15 $4 \times \frac{5}{7} = 2\frac{6}{7}$

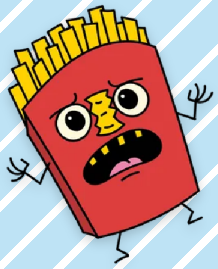
Write every answer in simplest form. Use the whole number box for a mixed number.

Art © Kevin Coulston

ANSWER KEY · FRACTIONS · FOR GROWN-UPS

Answer Key: Add and Subtract Mixed Numbers

Add or subtract the fractions, then the whole numbers. Regroup a whole if you need to.



1 $4\frac{2}{3} - 1\frac{1}{3} = 3\frac{1}{3}$

2 $4\frac{3}{8} - 2\frac{5}{8} = 1\frac{3}{4}$

3 $1\frac{7}{8} + 2\frac{1}{8} = 4\frac{\square}{\square}$

4 $3\frac{7}{8} - 2\frac{2}{8} = 1\frac{5}{8}$

5 $1\frac{2}{4} + 2\frac{2}{4} = 4\frac{\square}{\square}$

6 $1\frac{3}{4} + 3\frac{1}{4} = 5\frac{\square}{\square}$

7 $2\frac{3}{6} + 2\frac{1}{6} = 4\frac{2}{3}$

8 $4\frac{2}{4} - 3\frac{1}{4} = 1\frac{1}{4}$

9 $1\frac{1}{5} + 1\frac{4}{5} = 3\frac{\square}{\square}$

10 $2\frac{1}{6} + 3\frac{4}{6} = 5\frac{5}{6}$

11 $4\frac{3}{6} - 3\frac{4}{6} = \square\frac{5}{6}$

12 $3\frac{2}{6} - 2\frac{2}{6} = 1\frac{\square}{\square}$

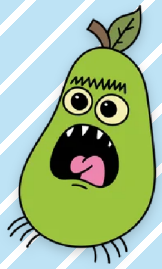
Write every answer in simplest form. Use the whole number box for a mixed number.

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ANSWER KEY · FRACTIONS · FOR GROWN-UPS

Answer Key: Add and Subtract Fractions with Unlike Denominators

Make the denominators the same. Then add or subtract the numerators. Simplify your answer.



1

$\frac{1}{2} + \frac{2}{3} = 1\frac{1}{6}$

2

$\frac{7}{8} - \frac{1}{6} = \frac{17}{24}$

3

$\frac{2}{3} + \frac{7}{8} = 1\frac{13}{24}$

4

$\frac{2}{3} + \frac{1}{6} = \frac{5}{6}$

5

$\frac{7}{8} + \frac{5}{6} = 1\frac{17}{24}$

6

$\frac{3}{5} - \frac{1}{3} = \frac{4}{15}$

7

$\frac{5}{6} - \frac{1}{2} = \frac{1}{3}$

8

$\frac{1}{2} - \frac{1}{3} = \frac{1}{6}$

9

$\frac{2}{3} - \frac{1}{4} = \frac{5}{12}$

10

$\frac{7}{8} + \frac{1}{3} = 1\frac{5}{24}$

11

$\frac{4}{5} + \frac{1}{3} = 1\frac{2}{15}$

12

$\frac{7}{8} + \frac{2}{3} = 1\frac{13}{24}$

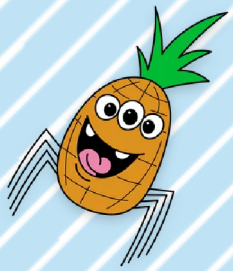
Write every answer in simplest form. Use the whole number box for a mixed number.

Art © Kevin Coulston

ANSWER KEY · FRACTIONS · FOR GROWN-UPS

Answer Key: Multiply Two Fractions

Multiply the numerators. Multiply the denominators. Simplify.



1 $\frac{2}{3} \times \frac{3}{5} = \frac{2}{5}$

2 $\frac{1}{6} \times \frac{1}{2} = \frac{1}{12}$

3 $\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$

4 $\frac{4}{5} \times \frac{3}{4} = \frac{3}{5}$

5 $\frac{2}{3} \times \frac{5}{8} = \frac{5}{12}$

6 $\frac{1}{4} \times \frac{1}{6} = \frac{1}{24}$

7 $\frac{1}{6} \times \frac{2}{5} = \frac{1}{15}$

8 $\frac{2}{3} \times \frac{1}{2} = \frac{1}{3}$

9 $\frac{3}{4} \times \frac{1}{3} = \frac{1}{4}$

10 $\frac{4}{7} \times \frac{2}{5} = \frac{8}{35}$

11 $\frac{3}{8} \times \frac{1}{5} = \frac{3}{40}$

12 $\frac{3}{8} \times \frac{1}{2} = \frac{3}{16}$

13 $\frac{1}{3} \times \frac{2}{3} = \frac{2}{9}$

14 $\frac{1}{5} \times \frac{4}{5} = \frac{4}{25}$

15 $\frac{1}{3} \times \frac{1}{5} = \frac{1}{15}$

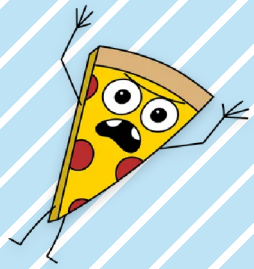
Write every answer in simplest form.

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ANSWER KEY · FRACTIONS · FOR GROWN-UPS

Answer Key: Divide with Unit Fractions

How many halves are in 6? 6 ÷ 1/2 = 12. And 1/3 ÷ 4 is one third cut into 4 pieces.



1 $\frac{1}{4} \div 3 = \frac{1}{12}$

2 $5 \div \frac{1}{2} = 10$

3 $5 \div \frac{1}{3} = 15$

4 $2 \div \frac{1}{6} = 12$

5 $3 \div \frac{1}{5} = 15$

6 $5 \div \frac{1}{7} = 35$

7 $2 \div \frac{1}{7} = 14$

8 $\frac{1}{3} \div 5 = \frac{1}{15}$

9 $\frac{1}{8} \div 5 = \frac{1}{40}$

10 $\frac{1}{7} \div 4 = \frac{1}{28}$

11 $4 \div \frac{1}{5} = 20$

12 $\frac{1}{7} \div 2 = \frac{1}{14}$

13 $\frac{1}{7} \div 3 = \frac{1}{21}$

14 $\frac{1}{5} \div 4 = \frac{1}{20}$

15 $\frac{1}{4} \div 4 = \frac{1}{16}$

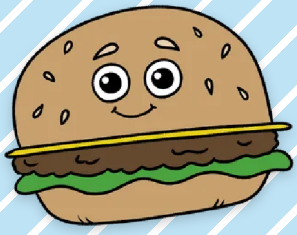
Write every answer in simplest form.

Art © Kevin Coulston

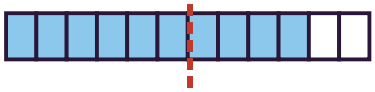
ANSWER KEY · FRACTIONS · FOR GROWN-UPS

Answer Key: Compare Fractions to One Half

Shade the fraction bar. Is it less than, equal to or more than the half line? Circle one.

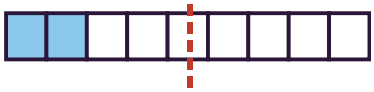


1 $\frac{10}{12}$



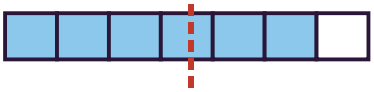
less equal **more**

2 $\frac{2}{9}$



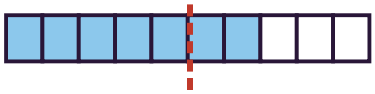
less equal more

3 $\frac{6}{7}$



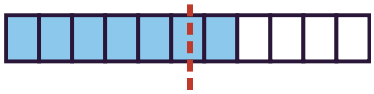
less equal **more**

4 $\frac{7}{10}$



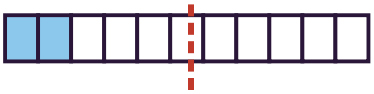
less equal **more**

5 $\frac{7}{11}$



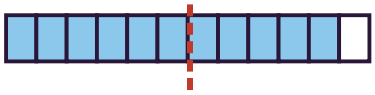
less equal **more**

6 $\frac{2}{11}$



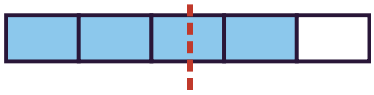
less equal more

7 $\frac{11}{12}$



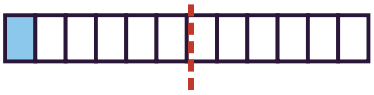
less equal **more**

8 $\frac{4}{5}$



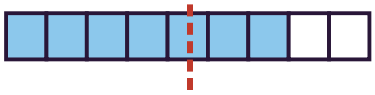
less equal **more**

9 $\frac{1}{12}$



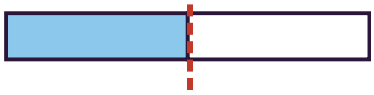
less equal more

10 $\frac{7}{9}$



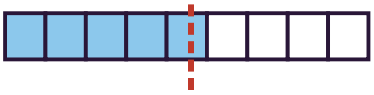
less equal **more**

11 $\frac{1}{2}$



less **equal** more

12 $\frac{5}{9}$



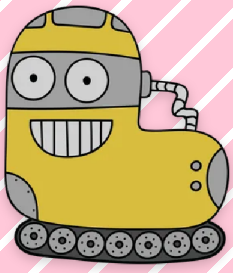
less equal **more**

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ANSWER KEY · PLACE VALUE · FOR GROWN-UPS

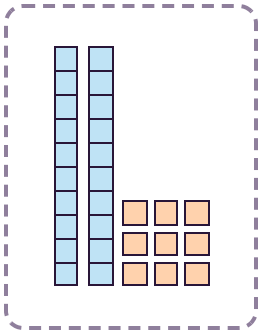
Answer Key: Draw Tens and Ones

Draw a long stick for each ten and a small square for each one. Write how many tens and ones.



1

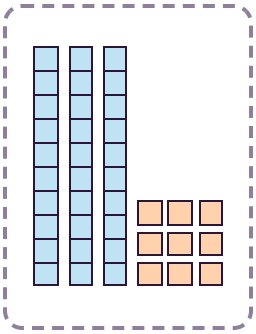
29



2 tens
9 ones

2

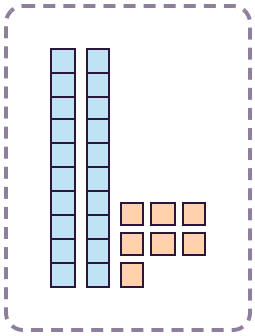
39



3 tens
9 ones

3

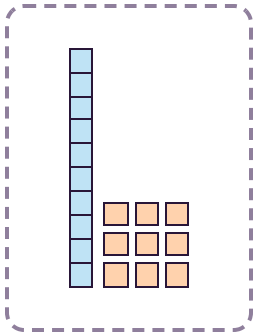
27



2 tens
7 ones

4

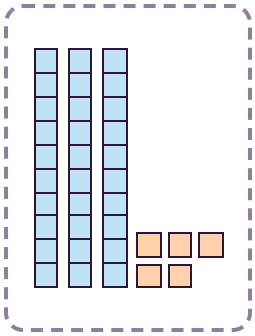
19



1 tens
9 ones

5

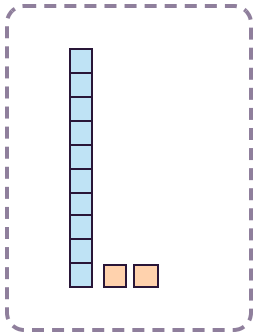
35



3 tens
5 ones

6

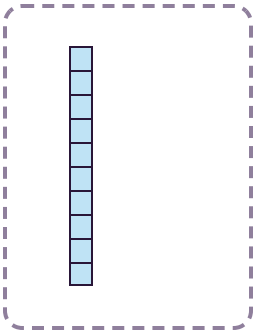
12



1 tens
2 ones

7

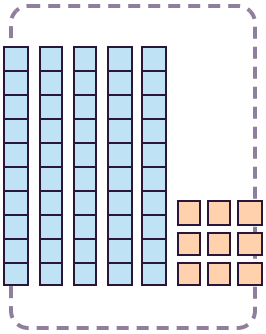
10



1 tens
0 ones

8

59



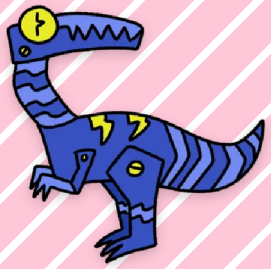
5 tens
9 ones

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ANSWER KEY · PLACE VALUE · FOR GROWN-UPS

Answer Key: Regroup Tens and Ones

Break one ten into 10 ones each time you move across. Fill in the missing ones.



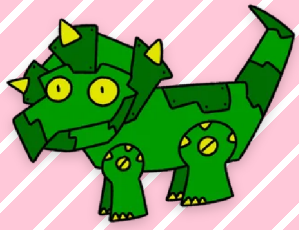
Number	Tens and ones	Break 1 ten	Break 2 tens
98	9 tens 8 ones	8 tens 18 ones	7 tens 28 ones
99	9 tens 9 ones	8 tens 19 ones	7 tens 29 ones
53	5 tens 3 ones	4 tens 13 ones	3 tens 23 ones
69	6 tens 9 ones	5 tens 19 ones	4 tens 29 ones
42	4 tens 2 ones	3 tens 12 ones	2 tens 22 ones
86	8 tens 6 ones	7 tens 16 ones	6 tens 26 ones
95	9 tens 5 ones	8 tens 15 ones	7 tens 25 ones
65	6 tens 5 ones	5 tens 15 ones	4 tens 25 ones

Example: 45 = 4 tens 5 ones = 3 tens 15 ones = 2 tens 25 ones.

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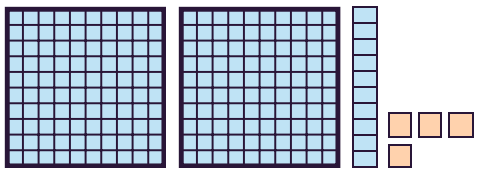
ANSWER KEY · PLACE VALUE · FOR GROWN-UPS

Answer Key: Hundreds, Tens and Ones with Blocks



Count the hundreds (big squares), the tens (long bars) and the ones (small cubes). Write the number.

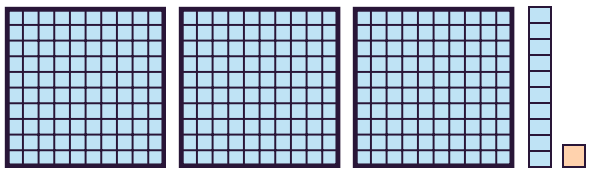
1



2 hundreds 1 tens 4 ones =

214

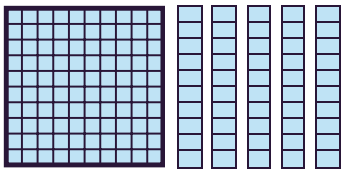
2



3 hundreds 1 tens 1 ones =

311

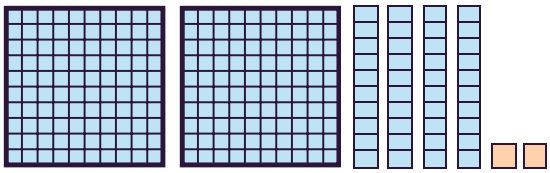
3



1 hundreds 5 tens 0 ones =

150

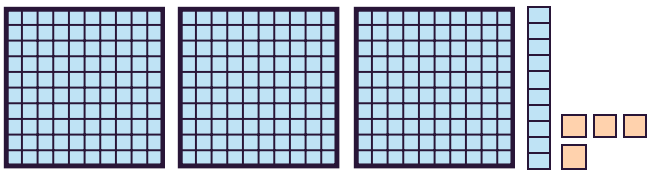
4



2 hundreds 4 tens 2 ones =

242

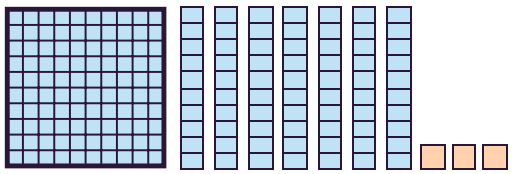
5



3 hundreds 1 tens 4 ones =

314

6



1 hundreds 7 tens 3 ones =

173

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ANSWER KEY · PLACE VALUE · FOR GROWN-UPS

Answer Key: Count by 10s and 100s from Any Number

Count by 10s or 100s. Which digit changes? Write the missing numbers.



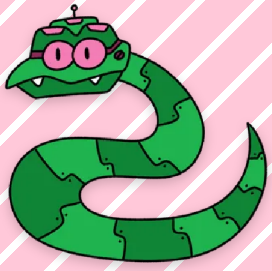
by 10s	7	17	27	37	47	57	67	77
by 10s	23	33	43	53	63	73	83	93
by 10s	156	166	176	186	196	206	216	226
by 10s	382	392	402	412	422	432	442	452
by 100s	100	200	300	400	500	600	700	800
by 100s	40	140	240	340	440	540	640	740
by 100s	215	315	415	515	615	715	815	915
by 10s	940	950	960	970	980	990	1,000	1,010
by 100s	38	138	238	338	438	538	638	738

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ANSWER KEY · PLACE VALUE · FOR GROWN-UPS

Answer Key: Round on a Number Line

Put a dot where the number goes. Which end is it closer to? That is the rounded number.



1

Round 267 to the nearest ten



267 rounds to 270

2

Round 96 to the nearest ten



96 rounds to 100

3

Round 119 to the nearest ten



119 rounds to 120

4

Round 32 to the nearest ten



32 rounds to 30

5

Round 720 to the nearest hundred



720 rounds to 700

6

Round 443 to the nearest hundred



443 rounds to 400

7

Round 271 to the nearest hundred



271 rounds to 300

8

Round 779 to the nearest hundred



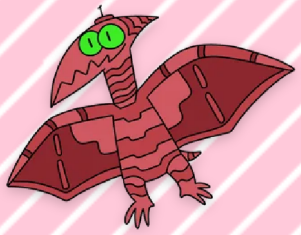
779 rounds to 800

Art © Kevin Coulston

ANSWER KEY · PLACE VALUE · FOR GROWN-UPS

Answer Key: Place Value Chart to Millions

Write one digit in each column. Start with the ones on the right.



Number	Millions	Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones
8,870				8	8	7	0
89,351			8	9	3	5	1
568,092		5	6	8	0	9	2
791,124		7	9	1	1	2	4
2,572,921	2	5	7	2	9	2	1
3,791,229	3	7	9	1	2	2	9
5,839,131	5	8	3	9	1	3	1
8,309,473	8	3	0	9	4	7	3
8,458,128	8	4	5	8	1	2	8

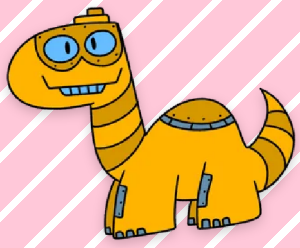
Commas split a number into groups of three: millions, thousands and ones.

Art © Kevin Coulston

ANSWER KEY · PLACE VALUE · FOR GROWN-UPS

Answer Key: Compare Numbers to 1,000,000

Count the digits first. Same number of digits? Compare from the left, one place at a time.



Write <, > or =

1. 203,052 < 204,052
2. 990,268 < 990,368
3. 511,474 > 511,465
4. 155,316 < 613,406
5. 393,687 > 40,807
6. 598,744 > 35,673
7. 622,186 < 940,527
8. 535,341 > 517,978
9. 353,672 > 71,186
10. 181,029 > 180,929

Order from least to greatest

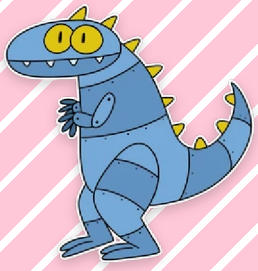
11. 844,003 843,186 523,787 → 523,787 < 843,186 < 844,003
12. 857,469 353,198 857,968 → 353,198 < 857,469 < 857,968
13. 424,611 920,942 423,152 → 423,152 < 424,611 < 920,942
14. 322,553 322,984 211,989 → 211,989 < 322,553 < 322,984
15. 771,931 290,947 771,158 → 290,947 < 771,158 < 771,931
16. 975,133 482,470 976,215 → 482,470 < 975,133 < 976,215

Art © Kevin Coulston

ANSWER KEY · PLACE VALUE · FOR GROWN-UPS

Answer Key: Ten Times as Much, One Tenth Of

One place to the left is 10 times as much. One place to the right is one tenth as much.



1 10 times 300 is 3,000.

2 1/10 of 800 is 80.

3 The 2 in 200 is worth 10 times the 2 in 20.

4 800 is 10 times as much as 80.

5 10 times 400 is 4,000.

6 300 is 10 times as much as 30.

7 10 times 9,000 is 90,000.

8 The 8 in 80,000 is worth 10 times the 8 in 8,000.

9 6,000 is 10 times as much as 600.

10 The 7 in 7,000 is worth 10 times the 7 in 700.

11 1/10 of 300 is 30.

12 1/10 of 9,000 is 900.

13 1/10 of 20,000 is 2,000.

14 The 6 in 600 is worth 10 times the 6 in 60.

15 1/10 of 7,000 is 700.

16 10 times 50 is 500.

17 The 3 in 3,000 is worth 10 times the 3 in 300.

18 The 4 in 4,000 is worth 10 times the 4 in 400.

19 The 9 in 90,000 is worth 10 times the 9 in 9,000.

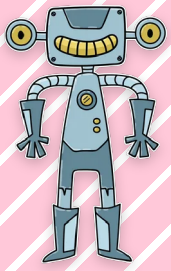
20 The 5 in 50,000 is worth 10 times the 5 in 5,000.

Art © Kevin Coulston

ANSWER KEY · PLACE VALUE · FOR GROWN-UPS

Answer Key: Powers of Ten and Exponents

The little number tells how many times to multiply by 10. $10^3 = 10 \times 10 \times 10 = 1{,}000$.



1 $9 \times 10^3 =$ 9,000

2 $10^1 =$ 10

3 $80{,}000 \div 10^3 =$ 80

4 $8{,}000 \div 10^2 =$ 80

5 $9 \times 10^2 =$ 900

6 $3 \times 10^4 =$ 30,000

7 $4 \times 10^4 =$ 40,000

8 $2 \times 10^1 =$ 20

9 $3{,}000 \div 10^2 =$ 30

10 $6 \times 10^4 =$ 60,000

11 $9{,}000 \div 10^2 =$ 90

12 $3 \times 10^1 =$ 30

13 $10^4 =$ 10,000

14 $2 \times 10^2 =$ 200

15 $10^2 =$ 100

16 $10^3 =$ 1,000

17 $8 \times 10^1 =$ 80

18 $60{,}000 \div 10^3 =$ 60

19 $300{,}000 \div 10^4 =$ 30

20 $50{,}000 \div 10^3 =$ 50

21 $5 \times 10^4 =$ 50,000

22 $200 \div 10^1 =$ 20

23 $900 \div 10^1 =$ 90

24 $8 \times 10^2 =$ 800

Art © Kevin Coulston

ANSWER KEY · PLACE VALUE · FOR GROWN-UPS

Answer Key: Round Decimals

Look at the digit just to the right of the place you are rounding to. 5 or more? Round up.



Decimal	Nearest whole number	Nearest tenth	Nearest hundredth
2.355	2	2.4	2.36
40.445	40	40.4	40.45
42.552	43	42.6	42.55
8.275	8	8.3	8.28
27.196	27	27.2	27.20
3.996	4	4.0	4.00
45.443	45	45.4	45.44
27.615	28	27.6	27.62
4.967	5	5.0	4.97
46.258	46	46.3	46.26
43.428	43	43.4	43.43
46.119	46	46.1	46.12

Example: 3.476 rounds to 3 (whole number), 3.5 (tenth) and 3.48 (hundredth).

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ANSWER KEY · WORD PROBLEMS · FOR GROWN-UPS

Answer Key: How Many More? How Many Fewer?

Read each problem. Which is more? Find the difference. Write the answer.



1 Mia has 12 shells. Leo has 7 shells. How many more shells does Mia have than Leo?

Answer: 5 **shells**

2 The red team scored 9 points. The blue team scored 15 points. How many fewer points did the red team score?

Answer: 6 **points**

3 There are 18 girls and 11 boys in the class. How many more girls than boys are there?

Answer: 7 **girls**

4 Ben has 6 toy cars. Sam has 8 more cars than Ben. How many cars does Sam have?

Answer: 14 **cars**

5 Ava picked 20 apples. Jay picked 5 fewer apples than Ava. How many apples did Jay pick?

Answer: 15 **apples**

6 A blue fish is 14 inches long. A green fish is 9 inches long. How much longer is the blue fish?

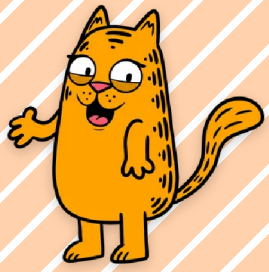
Answer: 5 **inches**

Art © Kevin Coulston

ANSWER KEY · WORD PROBLEMS · FOR GROWN-UPS

Answer Key: Missing Start and Change Word Problems

What number is missing: the start, the change or the end? Write a number sentence and solve.



1 Some birds sat on a fence. 6 more birds came. Now there are 13 birds. How many birds were on the fence at first?

Answer: 7 birds

2 Kai had 9 stickers. His mom gave him some more. Now he has 16 stickers. How many stickers did his mom give him?

Answer: 7 stickers

3 Some kids were on the slide. 5 kids left. Now 8 kids are on the slide. How many kids were on the slide at first?

Answer: 13 kids

4 Rosa had 17 beads. She lost some. Now she has 11 beads. How many beads did she lose?

Answer: 6 beads

5 There were 30 cupcakes. The class ate some. Now 12 are left. How many cupcakes did the class eat?

Answer: 18 cupcakes

6 Eli read some pages on Monday and 24 pages on Tuesday. He read 50 pages in all. How many pages did he read on Monday?

Answer: 26 pages

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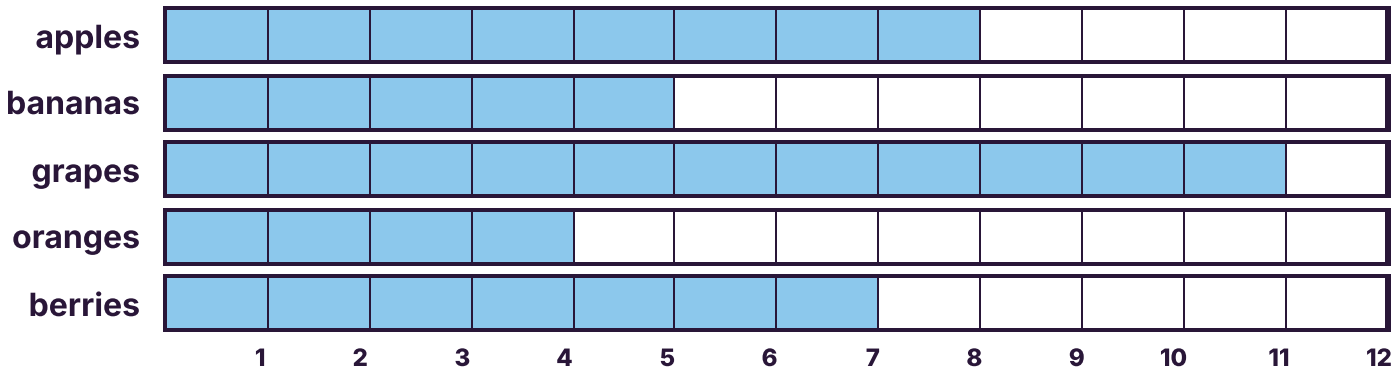
ANSWER KEY · WORD PROBLEMS · FOR GROWN-UPS

Answer Key: Bar Graph Word Problems

Read the bar graph. Use it to answer each question.



Our Favorite Fruit



1 How many kids chose grapes?

11 kids

2 Which fruit got the fewest votes?

oranges

3 Which fruit got the most votes?

grapes

4 How many more kids chose apples than bananas?

3 kids

5 How many kids chose bananas or oranges?

9 kids

6 How many kids voted in all?

35 kids

Art © Kevin Coulston

ANSWER KEY · WORD PROBLEMS · FOR GROWN-UPS

Answer Key: Word Problems with Extra Information

Cross out the number you don't need. Then solve the problem.



1 Lily has 8 red pens, 5 blue pens and 3 pencils. How many pens does she have?

Answer: 13 pens

2 A yellow bus has 8 windows on each side. 26 kids get on at the first stop and 9 kids get on at the second stop. How many kids are on the bus?

Answer: 35 kids

3 Max is 8 years old. He has 34 baseball cards and gives 12 to his sister. How many cards does Max have now?

Answer: 22 cards

4 A shop sold 45 muffins and 30 cookies on Monday, and 28 muffins on Tuesday. How many muffins did it sell in all?

Answer: 73 muffins

5 Nora walked 3 dogs for 20 minutes each. She was paid $5 for each dog. How much was she paid?

Answer: $15

6 There are 6 rows of chairs with 5 chairs in each row. 4 of the chairs are blue. How many chairs are there in all?

Answer: 30 chairs

Art © Kevin Coulston

ANSWER KEY · WORD PROBLEMS · FOR GROWN-UPS

Answer Key: Time Word Problems

Read each problem. Draw a clock or a time line if it helps. Write the answer.



1 Soccer practice starts at 3:30 and lasts 1 hour. What time does it end?

Answer: 4:30

2 Mia went to bed at 8:15 and woke up at 7:15 the next morning. How many hours did she sleep?

Answer: 11 hours

3 A movie starts at 2:10 and ends at 3:45. How long is the movie?

Answer: 1 hour 35 minutes

4 Lunch is 35 minutes long and ends at 12:20. What time does lunch start?

Answer: 11:45

5 Jo practices piano for 15 minutes every day. How many minutes does she practice in a week?

Answer: 105 minutes

6 The bus leaves at 7:50. The ride takes 25 minutes. What time does the bus get to school?

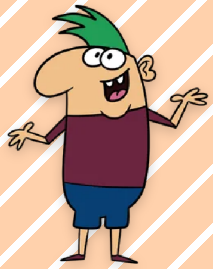
Answer: 8:15

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ANSWER KEY · WORD PROBLEMS · FOR GROWN-UPS

Answer Key: Write an Equation with a Letter

Write an equation with the letter for the number you don't know. Then find the letter.



1 Sara had n marbles. She got 7 more, and now she has 15. Write an equation and find n.

Answer: n = 8

2 A pack has 6 juice boxes. Mr. Lee buys p packs and gets 42 juice boxes. Write an equation and find p.

Answer: p = 7

3 Tom had 50 stickers. He gave away s stickers and has 32 left. Write an equation and find s.

Answer: s = 18

4 36 kids sit in equal rows of 9 kids. There are r rows. Write an equation and find r.

Answer: r = 4

5 A ribbon L inches long is cut into 5 equal pieces. Each piece is 8 inches long. Write an equation and find L.

Answer: L = 40

6 Ana saved $12 each week for w weeks. She saved $96. Write an equation and find w.

Answer: w = 8

Art © Kevin Coulston

ANSWER KEY · WORD PROBLEMS · FOR GROWN-UPS

Answer Key: Area and Perimeter Word Problems

Area or perimeter? Draw the shape, label the sides and solve.



1 A garden is 8 feet long and 5 feet wide. What is its area?

Answer: 40 **square feet**

2 A rug is 6 feet long and 4 feet wide. What is its perimeter?

Answer: 20 **feet**

3 A square tile has sides 9 inches long. What is its area?

Answer: 81 **square inches**

4 A fence goes all the way around a field 25 meters long and 15 meters wide. How long is the fence?

Answer: 80 **meters**

5 A poster has an area of 48 square inches. It is 8 inches wide. How tall is it?

Answer: 6 **inches**

6 A room is 12 feet by 10 feet. Carpet costs $3 a square foot. How much does carpet for the whole room cost?

Answer: $360

Art © Kevin Coulston

ANSWER KEY · WORD PROBLEMS · FOR GROWN-UPS

Answer Key: Multi-Step Word Problems: All Four Operations

Plan the steps first. Write a number sentence for each step. Then solve.



1 A teacher buys 4 boxes of 24 crayons and shares them equally among 8 tables. How many crayons does each table get?

Answer: 12 **crayons**

2 A farmer picks 345 apples. He keeps 45 and packs the rest in bags of 6. How many bags does he fill?

Answer: 50 **bags**

3 Sam earns $15 a week for 8 weeks. Then he spends $38 on a game. How much money does he have left?

Answer: $82

4 A school has 18 classes with 25 students each. 120 students go on a trip. How many students stay at school?

Answer: 330 **students**

5 A baker makes 12 trays of 16 cookies. She sells 150 cookies and puts the rest in boxes of 6. How many boxes does she fill?

Answer: 7 **boxes**

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ANSWER KEY · WORD PROBLEMS · FOR GROWN-UPS

Answer Key: Decimal Word Problems

Line up the decimal points to add and subtract. Count the decimal places to multiply.



1 Ella buys a sandwich for $4.75 and a drink for $1.80. How much does she spend?

Answer: $6.55

2 A board is 3.5 meters long. Dad cuts off 1.25 meters. How long is the board now?

Answer: 2.25 meters

3 A runner runs 2.4 miles a day for 5 days. How far does she run in all?

Answer: 12 miles

4 Four friends share a $13.60 pizza bill equally. How much does each friend pay?

Answer: $3.40

5 A bag of rice weighs 2.75 pounds. How much do 6 bags weigh?

Answer: 16.5 pounds

Art © Kevin Coulston

ANSWER KEY · WORD PROBLEMS · FOR GROWN-UPS

Answer Key: Volume Word Problems

Multiply length × width × height. Write the answer in cubic units.



1 A box is 5 cm long, 4 cm wide and 3 cm tall. What is its volume?

Answer: 60 **cubic centimeters**

2 A fish tank is 20 inches long, 10 inches wide and 12 inches tall. What is its volume?

Answer: 2,400 **cubic inches**

3 A cube has edges 6 feet long. What is its volume?

Answer: 216 **cubic feet**

4 A sandbox holds 48 cubic feet of sand. It is 6 feet long and 4 feet wide. How deep is the sand?

Answer: 2 **feet**

5 Two boxes are stacked. One is 3 by 2 by 2 feet and the other is 4 by 3 by 1 feet. What is their total volume?

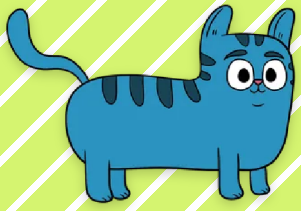
Answer: 24 **cubic feet**

Art © Kevin Coulston

ANSWER KEY · TELLING TIME · FOR GROWN-UPS

Answer Key: AM or PM?

AM is from midnight to noon. PM is from noon to midnight. Circle AM or PM.



1

Afternoon snack at 3:15 — AM **PM**

2

Go to sleep at 8:30 — AM **PM**

3

Wake up at 6:45 — **AM** PM

4

Eat breakfast at 7:00 — **AM** PM

5

Look at the stars at 9:00 — AM **PM**

6

Eat lunch at 12:15 — AM **PM**

7

School starts at 8:00 — **AM** PM

8

The rooster crows at 5:30 — **AM** PM

9

Walk to school at 7:45 — **AM** PM

10

Watch the sunrise at 6:10 — **AM** PM

11

An owl hoots in the dark at 11:30 — AM **PM**

12

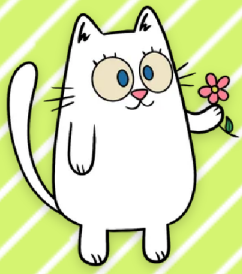
Eat dinner at 6:00 — AM **PM**

Art © Kevin Coulston

ANSWER KEY · TELLING TIME · FOR GROWN-UPS

Answer Key: Yesterday, Today and Tomorrow

Use the days of the week in the box. Count forward or back to answer.



Days of the week

Sunday Monday Tuesday Wednesday Thursday Friday Saturday

1 What day is 2 days before Saturday? **Thursday**

2 What day is 2 days before Tuesday? **Sunday**

3 Today is Monday. What day will it be tomorrow? **Tuesday**

4 What day is 3 days after Saturday? **Tuesday**

5 Today is Tuesday. What day will it be tomorrow? **Wednesday**

6 Today is Saturday. What day was yesterday? **Friday**

7 What day is 3 days after Friday? **Monday**

8 What day is 3 days before Tuesday? **Saturday**

9 What day is 2 days after Saturday? **Monday**

10 Today is Monday. What day was yesterday? **Sunday**

11 What day is 2 days after Wednesday? **Friday**

12 Today is Tuesday. What day was yesterday? **Monday**

Art © Kevin Coulston

ANSWER KEY · TELLING TIME · FOR GROWN-UPS

Answer Key: Months of the Year: Order and Count

Write the missing months in order. Then use the chart to answer the questions.



1 January	2 February	3 March	4 April
5 May	6 June	7 July	8 August
9 September	10 October	11 November	12 December

Which month comes right after May? June

Which month comes right before June? May

What is the first month of the year? January

What is month number 7? July

Which month is 2 months after December? February

How many months are in a year? 12

Art © Kevin Coulston

ANSWER KEY · TELLING TIME · FOR GROWN-UPS

Answer Key: Seconds, Minutes or Hours?

Think about how long each thing takes. Circle seconds, minutes or hours.



1. Eat an apple — seconds **minutes** hours
2. Read a picture book — seconds **minutes** hours
3. Blink your eyes — **seconds** minutes hours
4. Take a bath — seconds **minutes** hours
5. Clap three times — **seconds** minutes hours
6. A school day — seconds minutes **hours**
7. Bake a batch of cookies — seconds **minutes** hours
8. Watch a movie — seconds minutes **hours**
9. Sleep at night — seconds minutes **hours**
10. Brush your teeth — seconds **minutes** hours
11. Sneeze — **seconds** minutes hours
12. Write your name — **seconds** minutes hours

Art © Kevin Coulston

ANSWER KEY · TELLING TIME · FOR GROWN-UPS

Answer Key: Right Time or Wrong Time?



Does the time match the clock? Circle ✓ or ×. If it is wrong, write the right time.

1



3:10 ✓ **×**

2:10

2



3:40 **✓** ×

3



1:20 ✓ **×**

12:20

4



4:25 ✓ **×**

4:15

5



8:00 ✓ **×**

8:45

6



11:55 ✓ **×**

11:45

7



9:50 **✓** ×

8



12:55 ✓ **×**

12:45

9



12:40 **✓** ×

10



11:45 ✓ **×**

10:45

11



3:00 ✓ **×**

2:00

12



1:30 ✓ **×**

6:05

Art © Kevin Coulston

ANSWER KEY · TELLING TIME · FOR GROWN-UPS

Answer Key: Draw the Time to Five Minutes

Draw the short hour hand and the long minute hand. Count by fives for the minutes.



1



4:45

2



1:20

3



10:55

4



5:35

5



6:20

6



9:40

7



4:25

8



5:40

9



9:35

10



4:20

11



1:05

12



7:10

Art © Kevin Coulston

ANSWER KEY · TELLING TIME · FOR GROWN-UPS

Answer Key: Time in Words

Read the time in words. Write it with numbers, like 4:20.



1 twenty past one 1:20

2 twenty-five past five 5:25

3 twenty to twelve 11:40

4 five to five 4:55

5 nine o'clock 9:00

6 quarter past seven 7:15

7 twenty to four 3:40

8 twenty past three 3:20

9 five past eight 8:05

10 quarter to twelve 11:45

11 twenty-five past ten 10:25

12 quarter to four 3:45

13 half past seven 7:30

14 quarter past nine 9:15

15 twenty past six 6:20

16 half past nine 9:30

Art © Kevin Coulston

ANSWER KEY · TELLING TIME · FOR GROWN-UPS

Answer Key: Read a Daily Schedule

Read the schedule. Each thing lasts until the next one starts. Answer the questions.



Camp Day

Time	What we do
8:00	Arrive and sign in
8:15	Swimming
9:30	Snack
9:45	Crafts
11:00	Lunch
11:40	Nature hike
1:15	Games
2:30	Go home

Questions

What time does swimming start?

8:15

What comes right after snack?

Crafts

How long is swimming?

1 hour 15 minutes

How long is lunch?

40 minutes

How long is the nature hike?

1 hour 35 minutes

What is happening at 11:20?

Lunch

How long are the games?

1 hour 15 minutes

How long is the whole camp day, from arriving to going home?

6 hours 30 minutes

Art © Kevin Coulston

ANSWER KEY · TELLING TIME · FOR GROWN-UPS

Answer Key: Find the Start Time

Read the end time. Count back the time it took. Write the start time.



1 End time



It ended at 12:10

It took 40 minutes.

It started at 11:30

2 End time



It ended at 12:20

It took

1 hour 30 minutes.

It started at 10:50

3 End time



It ended at 9:10

It took 50 minutes.

It started at 8:20

4 End time



It ended at 4:55

It took 1 hour.

It started at 3:55

5 End time



It ended at 8:00

It took 30 minutes.

It started at 7:30

6 End time



It ended at 12:35

It took 50 minutes.

It started at 11:45

Art © Kevin Coulston

ANSWER KEY · TELLING TIME · FOR GROWN-UPS

Answer Key: Draw the Time to the Minute

Draw the hour hand and the minute hand. Count by fives, then by ones.



1



2:17

2



6:38

3



7:33

4



4:46

5



9:21

6



5:53

7



2:07

8



6:27

9



6:12

10



8:26

11



11:09

12



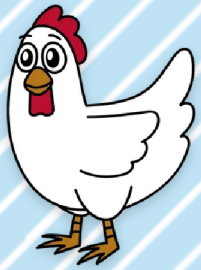
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Art © Kevin Coulston

ANSWER KEY · MONEY · FOR GROWN-UPS

Answer Key: Count Pennies, Nickels and Dimes

All the coins in a row are the same. Count by 1s, 5s or 10s. Write the total.



1

ONE CENT · ONE CENT · ONE CENT · ONE CENT · ONE CENT · ONE CENT

Total: 6¢

2

FIVE CENTS · FIVE CENTS · FIVE CENTS · FIVE CENTS · FIVE CENTS · FIVE CENTS · FIVE CENTS

Total: 35¢

3

ONE DIME · ONE DIME · ONE DIME

Total: 30¢

4

ONE CENT · ONE CENT · ONE CENT · ONE CENT · ONE CENT

Total: 5¢

5

FIVE CENTS · FIVE CENTS · FIVE CENTS · FIVE CENTS · FIVE CENTS

Total: 25¢

6

ONE DIME · ONE DIME · ONE DIME · ONE DIME · ONE DIME

Total: 50¢

7

FIVE CENTS · FIVE CENTS · FIVE CENTS · FIVE CENTS · FIVE CENTS · FIVE CENTS · FIVE CENTS · FIVE CENTS

Total: 40¢

8

ONE DIME · ONE DIME · ONE DIME · ONE DIME · ONE DIME · ONE DIME · ONE DIME · ONE DIME

Total: 80¢

Art © Kevin Coulston

ANSWER KEY · MONEY · FOR GROWN-UPS

Answer Key: Coin Riddles

Read the riddle. Try different coins until the number of coins and the total both match.



1. I have three coins. Together they make 36¢. What coins do I have? **1 quarter, 1 dime, 1 penny**

2. I have two coins. Together they make 11¢. What coins do I have? **1 dime, 1 penny**

3. I have four coins. Together they make 21¢. What coins do I have? **1 dime, 2 nickels, 1 penny**

4. I have two coins. Together they make 30¢. What coins do I have? **1 quarter, 1 nickel**

5. I have five coins. Together they make 51¢. What coins do I have? **1 quarter, 2 dimes, 1 nickel, 1 penny**

6. I have two coins. Together they make 35¢. What coins do I have? **1 quarter, 1 dime**

7. I have three coins. Together they make 31¢. What coins do I have? **1 quarter, 1 nickel, 1 penny**

8. I have five coins. Together they make 75¢. What coins do I have? **2 quarters, 2 dimes, 1 nickel**

Art © Kevin Coulston

ANSWER KEY · MONEY · FOR GROWN-UPS

Answer Key: Can You Buy It?

Count the coins. Is it enough to pay the price? Circle yes or no.



1 ○ 45¢ — QUARTER DOLLAR, QUARTER DOLLAR, FIVE CENTS, ONE CENT — You have 56¢ — **yes** / no

2 ○ 42¢ — QUARTER DOLLAR, FIVE CENTS, ONE CENT, ONE CENT, ONE CENT — You have 33¢ — yes / **no**

3 ○ 17¢ — ONE DIME, ONE DIME, ONE CENT — You have 21¢ — **yes** / no

4 ○ 58¢ — QUARTER DOLLAR, ONE DIME — You have 35¢ — yes / **no**

5 ○ 44¢ — QUARTER DOLLAR, ONE DIME, ONE DIME, ONE CENT — You have 46¢ — **yes** / no

6 ○ 40¢ — QUARTER DOLLAR, ONE CENT, ONE CENT, ONE CENT — You have 28¢ — yes / **no**

7 ○ 26¢ — QUARTER DOLLAR, ONE DIME, FIVE CENTS, FIVE CENTS — You have 45¢ — **yes** / no

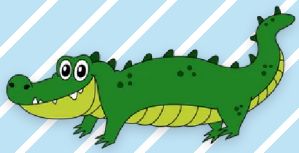
8 ○ 54¢ — QUARTER DOLLAR, QUARTER DOLLAR, ONE CENT, ONE CENT — You have 52¢ — yes / **no**

Art © Kevin Coulston

ANSWER KEY · MONEY · FOR GROWN-UPS

Answer Key: Show the Amount Two Ways

Show each amount two ways. Write P, N, D or Q in the circles. Try the fewest coins first!



1 — **27¢**

Fewest coins	Q	P	P					
Another way	D	D	N	P	P			

2 — **50¢**

Fewest coins	Q	Q						
Another way	Q	D	D	N				

3 — **31¢**

Fewest coins	Q	N	P					
Another way	D	D	N	N	P			

4 — **38¢**

Fewest coins	Q	D	P	P	P			
Another way	D	D	D	N	P	P	P	

5 — **58¢**

Fewest coins	Q	Q	N	P	P	P		
Another way	Q	D	D	N	N	P	P	P

6 — **42¢**

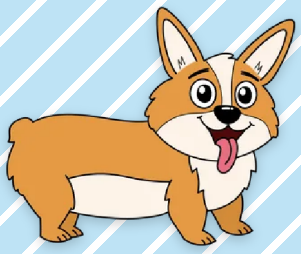
Fewest coins	Q	D	N	P	P			
Another way	D	D	D	N	N	P	P	

Art © Kevin Coulston

ANSWER KEY · MONEY · FOR GROWN-UPS

Answer Key: Half Dollars and Dollar Coins

Look at the coin key. Count the coins, biggest first. Write the total with a $.



New coins



half dollar

50¢



dollar coin

$1.00



quarter

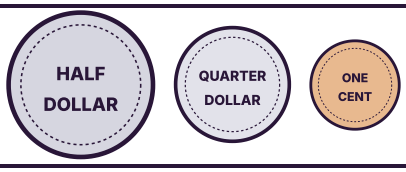
25¢



dime

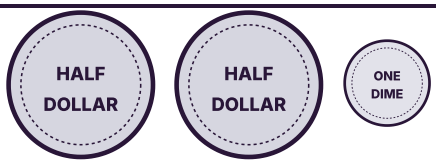
10¢

1



Total: $0.76

2



Total: $1.10

3



Total: $1.51

4



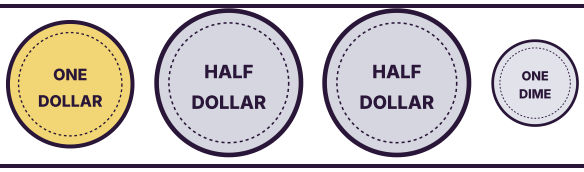
Total: $2.31

5



Total: $2.05

6



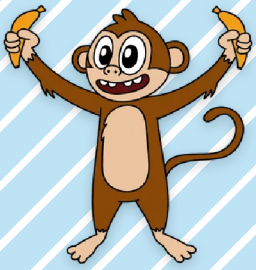
Total: $2.10

Art © Kevin Coulston

ANSWER KEY · MONEY · FOR GROWN-UPS

Answer Key: Write Money Amounts

Write each amount with a $ and a dot, or in words. The cents always take two digits!



1 eight dollars and sixty-two cents = **$8.62**

2 $9.33 = **nine dollars and thirty-three cents**

3 seven dollars and eighty-nine cents = **$7.89**

4 $4.61 = **four dollars and sixty-one cents**

5 five dollars and fifty-five cents = **$5.55**

6 $4.81 = **four dollars and eighty-one cents**

7 one dollar and forty-eight cents = **$1.48**

8 $2.34 = **two dollars and thirty-four cents**

9 one dollar and ten cents = **$1.10**

10 $5.27 = **five dollars and twenty-seven cents**

11 three dollars and thirty cents = **$3.30**

12 $1.68 = **one dollar and sixty-eight cents**

Art © Kevin Coulston

ANSWER KEY · MONEY · FOR GROWN-UPS

Answer Key: Price Tags: Add Two Things

Add the two prices. Line up the dots. Write the total.



1 ○ $3.11 + ○ $4.65 = $7.76

2 ○ $1.41 + ○ $3.55 = $4.96

3 ○ $1.34 + ○ $4.83 = $6.17

4 ○ $1.74 + ○ $3.94 = $5.68

5 ○ $1.67 + ○ $2.74 = $4.41

6 ○ $1.24 + ○ $3.51 = $4.75

7 ○ $1.41 + ○ $1.30 = $2.71

8 ○ $1.46 + ○ $4.08 = $5.54

Art © Kevin Coulston

ANSWER KEY · MONEY · FOR GROWN-UPS

Answer Key: Make Change from $5, $10 and $20

Subtract the price from the money you pay. Or count up from the price!



You buy	Price	You pay	Your change
a yo-yo	**$7.13**	$10.00	**$2.87**
a lunch box	**$5.23**	$10.00	**$4.77**
a hat	**$3.85**	$10.00	**$6.15**
a paint set	**$16.11**	$20.00	**$3.89**
a T-shirt	**$3.29**	$5.00	**$1.71**
a bag of apples	**$17.48**	$20.00	**$2.52**
a toy truck	**$16.05**	$20.00	**$3.95**
a ball	**$8.26**	$10.00	**$1.74**
a puzzle	**$9.32**	$20.00	**$10.68**
a book	**$4.55**	$10.00	**$5.45**

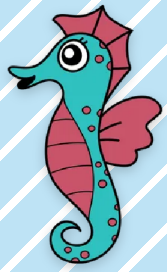
Count up: from $6.35, 65¢ more makes $7.00, then $3.00 more makes $10.00. Your change is $3.65.

Art © Kevin Coulston

ANSWER KEY · MONEY · FOR GROWN-UPS

Answer Key: Round Money to the Nearest Dollar

Look at the cents. 50¢ or more? Round up to the next dollar. Less than 50¢? Round down.



1 $10.37 rounds to **$10**

2 $15.77 rounds to **$16**

3 $11.29 rounds to **$11**

4 $4.01 rounds to **$4**

5 $16.74 rounds to **$17**

6 $6.41 rounds to **$6**

7 $15.56 rounds to **$16**

8 $9.31 rounds to **$9**

9 $10.13 rounds to **$10**

10 $16.18 rounds to **$16**

11 $19.26 rounds to **$19**

12 $15.31 rounds to **$15**

13 $5.13 rounds to **$5**

14 $9.40 rounds to **$9**

15 $11.28 rounds to **$11**

16 $11.13 rounds to **$11**

17 Estimate: $2.16 + $8.00 ≈ **$10**

18 Estimate: $4.96 + $7.26 ≈ **$12**

19 Estimate: $3.31 + $2.12 ≈ **$5**

20 Estimate: $5.80 + $5.48 ≈ **$11**

Art © Kevin Coulston

ANSWER KEY · MONEY · FOR GROWN-UPS

Answer Key: Multiply and Divide Money

Multiply or divide like whole numbers. Put the dot two places from the right.



1 5 × $2.50 = $12.50

2 2 × $4.20 = $8.40

3 $6.72 ÷ 6 = $1.12

4 $10.25 ÷ 5 = $2.05

5 4 × $2.65 = $10.60

6 $5.10 ÷ 6 = $0.85

7 $9.96 ÷ 4 = $2.49

8 4 × $4.35 = $17.40

9 $6.42 ÷ 3 = $2.14

10 4 × $1.40 = $5.60

11 $5.02 ÷ 2 = $2.51

12 $4.14 ÷ 6 = $0.69

13 6 × $1.90 = $11.40

14 5 × $4.40 = $22.00

15 $7.00 ÷ 4 = $1.75

16 4 × $1.65 = $6.60

17 5 × $1.30 = $6.50

18 $10.00 ÷ 4 = $2.50

19 6 × $2.00 = $12.00

20 $3.16 ÷ 4 = $0.79

Art © Kevin Coulston