ANSWER KEY · NUMBER TRACING · FOR GROWN-UPS

Answer Key: Number Hunt: Color by Number

Color every number to match the key. Then count how many of each you found.



Color key

3 = red 7 = blue 5 = green 9 = yellow

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

How many did you find?

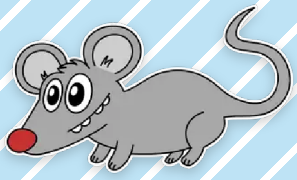
3s: 5 7s: 6 5s: 5 9s: 4

Art © Kevin Coulston

ANSWER KEY · COUNTING · FOR GROWN-UPS

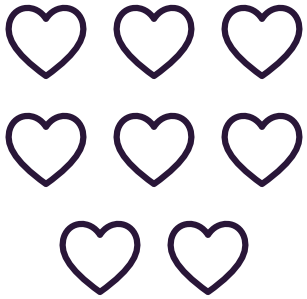
Answer Key: Count and Write

Count the shapes in each box. Write how many.





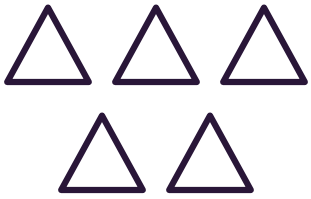
How many? 7



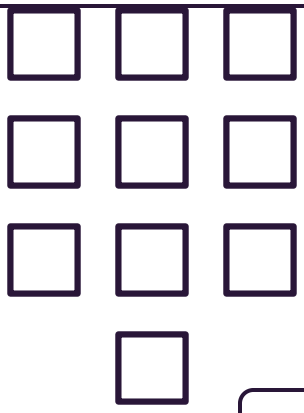
How many? 8



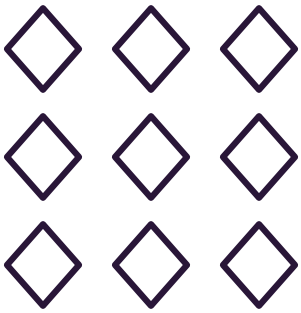
How many? 3



How many? 5



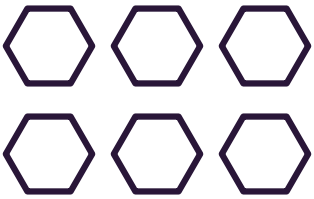
How many? 10



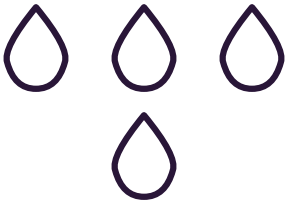
How many? 9



How many? 2



How many? 6



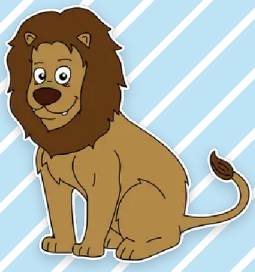
How many? 4

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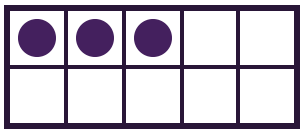
ANSWER KEY · COUNTING · FOR GROWN-UPS

Answer Key: Ten Frame Counting

Count the dots. Write the number. Hint: a full ten frame is 10!

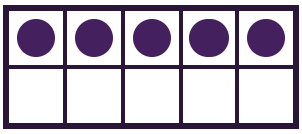


1



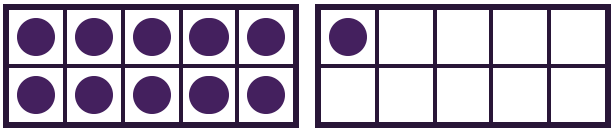
3

2

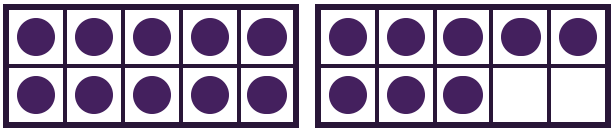


5

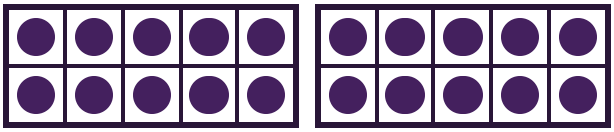
3



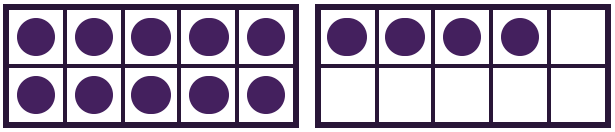
4



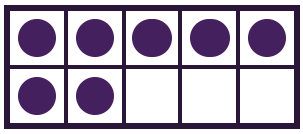
5



6

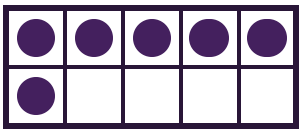


7



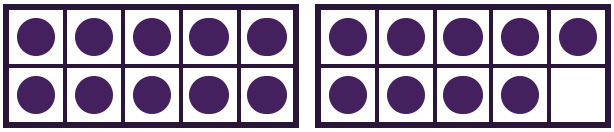
7

8

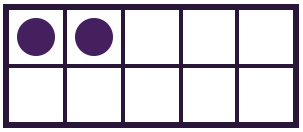


6

9



10



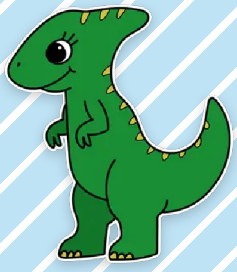
2

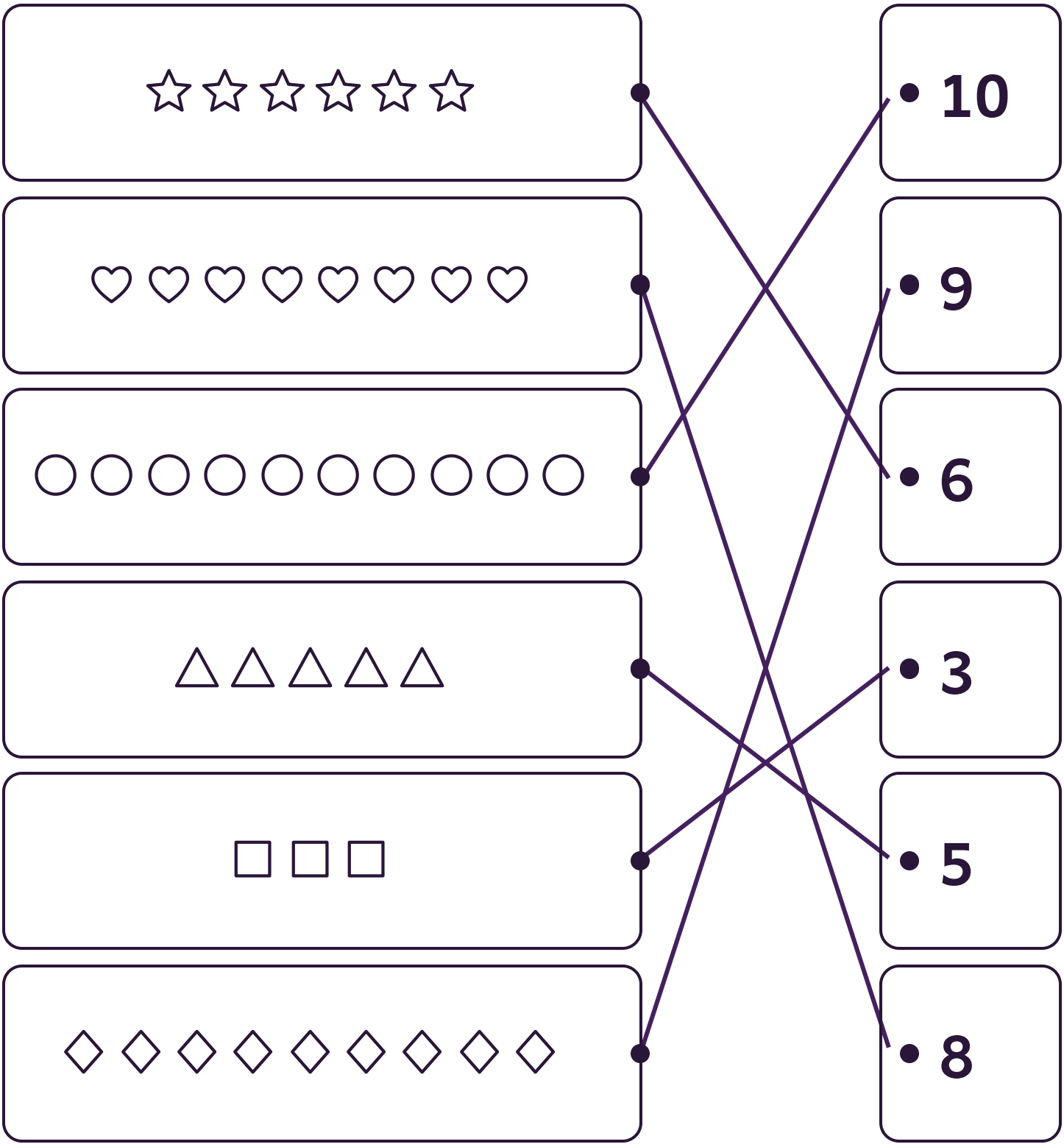
Art © Kevin Coulston

ANSWER KEY · COUNTING · FOR GROWN-UPS

Answer Key: Count and Match

Count each group. Draw a line to the number that matches.





Art © Kevin Coulston

ANSWER KEY · COUNTING · FOR GROWN-UPS

Answer Key: Hundred Chart: Missing Numbers

Count from 1 to 100. Write the missing numbers in the empty squares.



1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
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

Tip: each row counts by ones. Each column counts by tens!

Art © Kevin Coulston

ANSWER KEY · COUNTING · FOR GROWN-UPS

Answer Key: Before, After and Between

Write the number that comes before, after or in between.



Just before

19	20	
1	2	
21	22	
3	4	
15	16	

Just after

29	30	
5	6	
21	22	
13	14	
14	15	

In between

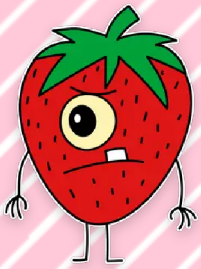
11	12	13
18	19	20
16	17	18
22	23	24
26	27	28

Art © Kevin Coulston

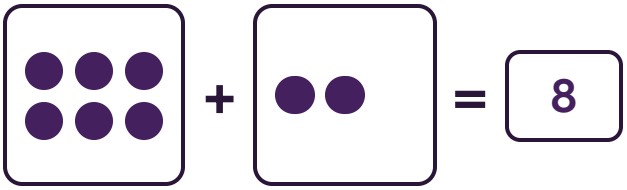
ANSWER KEY · ADDITION & SUBTRACTION · FOR GROWN-UPS

Answer Key: Picture Addition Within 10

Count the dots in each group. Add them together. Write the answer.

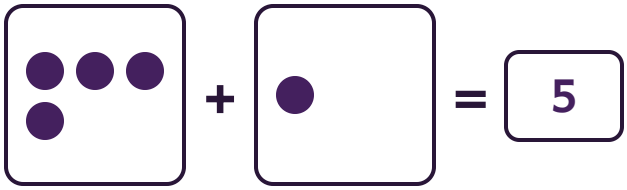


1



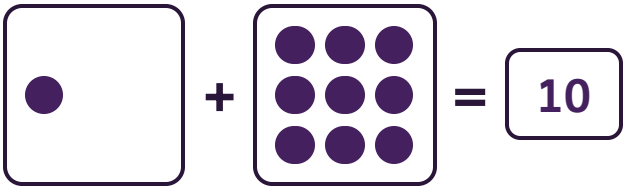
6 + 2 = 8

2



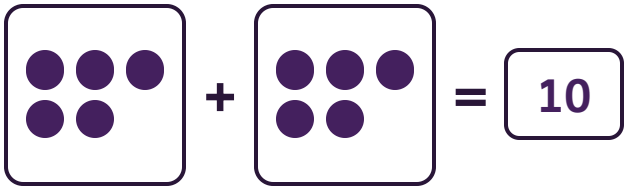
4 + 1 = 5

3



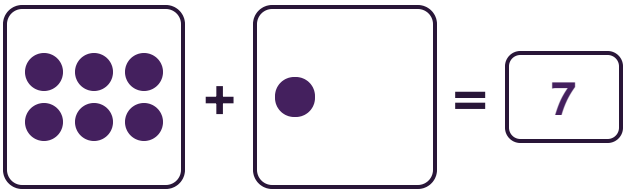
1 + 9 = 10

4



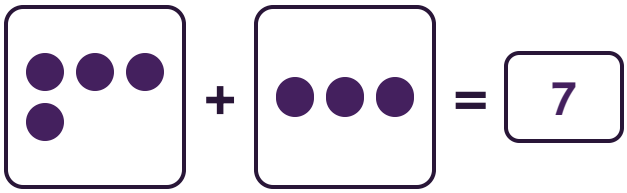
5 + 5 = 10

5



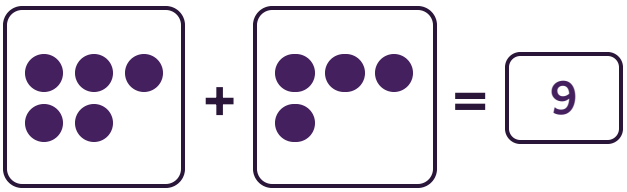
6 + 1 = 7

6



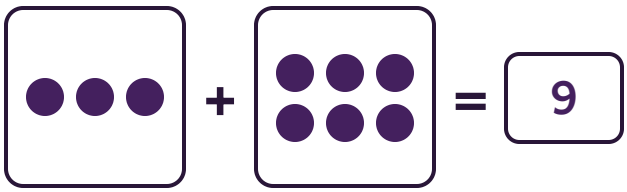
4 + 3 = 7

7



5 + 4 = 9

8



3 + 6 = 9

Art © Kevin Coulston

ANSWER KEY · ADDITION & SUBTRACTION · FOR GROWN-UPS

Answer Key: Addition Facts Within 20

Add. Can you finish all 30 before the timer rings?



1 5 + 3 = 8	2 6 + 1 = 7	3 2 + 2 = 4
4 2 + 8 = 10	5 3 + 7 = 10	6 5 + 2 = 7
7 5 + 4 = 9	8 1 + 4 = 5	9 7 + 1 = 8
10 9 + 7 = 16	11 3 + 10 = 13	12 1 + 6 = 7
13 7 + 11 = 18	14 8 + 4 = 12	15 1 + 2 = 3
16 4 + 2 = 6	17 8 + 1 = 9	18 8 + 10 = 18
19 12 + 7 = 19	20 1 + 9 = 10	21 8 + 3 = 11
22 7 + 3 = 10	23 9 + 8 = 17	24 3 + 5 = 8
25 10 + 2 = 12	26 8 + 5 = 13	27 4 + 9 = 13
28 7 + 2 = 9	29 7 + 6 = 13	30 4 + 3 = 7

Time: _____ **Correct:** _____ **out of 30**

Art © Kevin Coulston

ANSWER KEY · ADDITION & SUBTRACTION · FOR GROWN-UPS

Answer Key: Subtraction Facts Within 20

Subtract. Check a few by adding back!



1 10 − 6 = 4	2 9 − 6 = 3	3 6 − 2 = 4
4 5 − 5 = 0	5 5 − 3 = 2	6 15 − 3 = 12
7 9 − 9 = 0	8 12 − 1 = 11	9 6 − 4 = 2
10 17 − 12 = 5	11 20 − 4 = 16	12 18 − 7 = 11
13 17 − 8 = 9	14 15 − 9 = 6	15 20 − 5 = 15
16 20 − 9 = 11	17 15 − 10 = 5	18 19 − 6 = 13
19 5 − 4 = 1	20 8 − 1 = 7	21 7 − 3 = 4
22 20 − 2 = 18	23 17 − 3 = 14	24 15 − 7 = 8
25 6 − 6 = 0	26 18 − 11 = 7	27 16 − 2 = 14
28 8 − 8 = 0	29 10 − 9 = 1	30 7 − 2 = 5

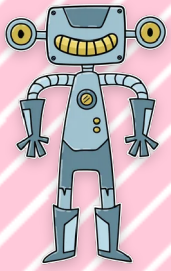
Time: _____ **Correct:** _____ **out of 30**

Art © Kevin Coulston

ANSWER KEY · ADDITION & SUBTRACTION · FOR GROWN-UPS

Answer Key: Two-Digit Addition and Subtraction

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



1	2	3	4	5
86 − 71 = 15	53 + 20 = 73	94 − 68 = 26	69 + 20 = 89	65 − 14 = 51
6	**7**	**8**	**9**	**10**
82 − 13 = 69	96 − 10 = 86	98 − 60 = 38	66 + 28 = 94	47 + 13 = 60
11	**12**	**13**	**14**	**15**
10 + 41 = 51	52 + 29 = 81	33 + 64 = 97	37 − 27 = 10	23 + 45 = 68
16	**17**	**18**	**19**	**20**
21 + 11 = 32	81 − 47 = 34	76 − 32 = 44	71 + 13 = 84	97 − 82 = 15

Art © Kevin Coulston

ANSWER KEY · ADDITION & SUBTRACTION · FOR GROWN-UPS

Answer Key: Three-Digit Addition and Subtraction

Add or subtract. Line up the ones, tens and hundreds. Regroup when you need to!



1

926 − 347 = 579

2

627 − 313 = 314

3

144 + 814 = 958

4

477 + 185 = 662

5

701 + 196 = 897

6

309 + 256 = 565

7

564 − 207 = 357

8

766 − 123 = 643

9

325 − 209 = 116

10

697 − 358 = 339

11

862 − 129 = 733

12

850 − 372 = 478

13

933 − 450 = 483

14

743 − 354 = 389

15

868 − 622 = 246

Art © Kevin Coulston

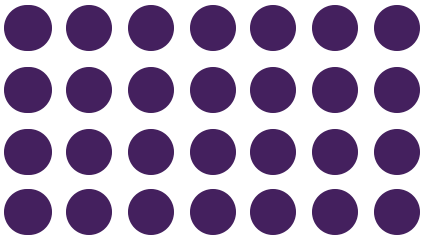
ANSWER KEY · MULTIPLICATION · FOR GROWN-UPS

Answer Key: Multiplication Arrays

Count the rows and the dots in each row. Write the multiplication sentence.



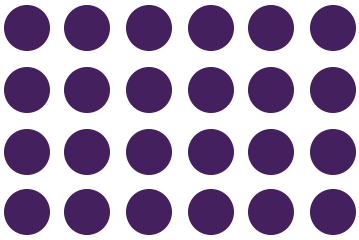
1



4 rows of 7

4 × 7 = 28

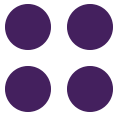
2



4 rows of 6

4 × 6 = 24

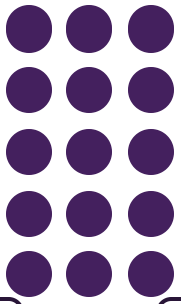
3



2 rows of 2

2 × 2 = 4

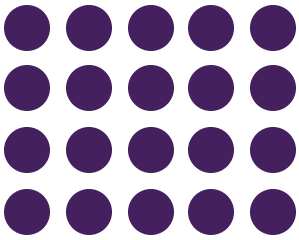
4



5 rows of 3

5 × 3 = 15

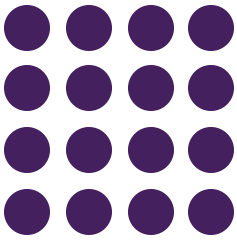
5



4 rows of 5

4 × 5 = 20

6



4 rows of 4

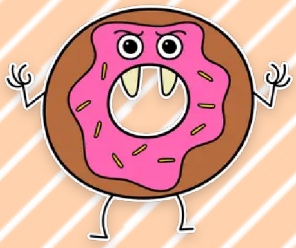
4 × 4 = 16

Art © Kevin Coulston

ANSWER KEY · MULTIPLICATION · FOR GROWN-UPS

Answer Key: Multiplication Facts: 0 to 5

Multiply. Skip count if you get stuck!



1 $1 \times 10 =$ 10	2 $0 \times 8 =$ 0	3 $0 \times 1 =$ 0	4 $4 \times 4 =$ 16
5 $4 \times 3 =$ 12	6 $4 \times 1 =$ 4	7 $5 \times 3 =$ 15	8 $2 \times 0 =$ 0
9 $2 \times 2 =$ 4	10 $4 \times 2 =$ 8	11 $6 \times 3 =$ 18	12 $1 \times 7 =$ 7
13 $6 \times 0 =$ 0	14 $3 \times 8 =$ 24	15 $10 \times 0 =$ 0	16 $2 \times 10 =$ 20
17 $7 \times 0 =$ 0	18 $0 \times 9 =$ 0	19 $2 \times 7 =$ 14	20 $2 \times 1 =$ 2
21 $1 \times 0 =$ 0	22 $7 \times 5 =$ 35	23 $0 \times 5 =$ 0	24 $4 \times 10 =$ 40
25 $2 \times 3 =$ 6	26 $2 \times 6 =$ 12	27 $3 \times 1 =$ 3	28 $3 \times 10 =$ 30
29 $1 \times 1 =$ 1	30 $9 \times 4 =$ 36	31 $4 \times 5 =$ 20	32 $10 \times 2 =$ 20
33 $1 \times 2 =$ 2	34 $7 \times 2 =$ 14	35 $5 \times 2 =$ 10	36 $10 \times 1 =$ 10
37 $1 \times 3 =$ 3	38 $1 \times 5 =$ 5	39 $8 \times 5 =$ 40	40 $3 \times 5 =$ 15

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

Art © Kevin Coulston

ANSWER KEY · MULTIPLICATION · FOR GROWN-UPS

Answer Key: Multiplication Facts: 6 to 10



Multiply. Use a fact you know to help with one you don't!

1 $2 \times 6 =$ 12	2 $8 \times 5 =$ 40	3 $7 \times 8 =$ 56	4 $9 \times 10 =$ 90
5 $5 \times 6 =$ 30	6 $4 \times 9 =$ 36	7 $5 \times 8 =$ 40	8 $6 \times 0 =$ 0
9 $6 \times 10 =$ 60	10 $7 \times 4 =$ 28	11 $8 \times 1 =$ 8	12 $9 \times 4 =$ 36
13 $2 \times 9 =$ 18	14 $10 \times 9 =$ 90	15 $3 \times 6 =$ 18	16 $4 \times 8 =$ 32
17 $8 \times 4 =$ 32	18 $6 \times 1 =$ 6	19 $10 \times 4 =$ 40	20 $9 \times 9 =$ 81
21 $3 \times 7 =$ 21	22 $9 \times 1 =$ 9	23 $1 \times 10 =$ 10	24 $2 \times 7 =$ 14
25 $10 \times 10 =$ 100	26 $5 \times 7 =$ 35	27 $7 \times 3 =$ 21	28 $9 \times 6 =$ 54
29 $9 \times 7 =$ 63	30 $8 \times 9 =$ 72	31 $1 \times 7 =$ 7	32 $6 \times 6 =$ 36
33 $7 \times 10 =$ 70	34 $9 \times 8 =$ 72	35 $8 \times 7 =$ 56	36 $7 \times 9 =$ 63
37 $2 \times 10 =$ 20	38 $7 \times 7 =$ 49	39 $7 \times 5 =$ 35	40 $10 \times 1 =$ 10

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

Art © Kevin Coulston

ANSWER KEY · MULTIPLICATION · FOR GROWN-UPS

Answer Key: Multiplication Chart Fill-In

Multiply the row number by the column number. Write the products in the empty squares.



×	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

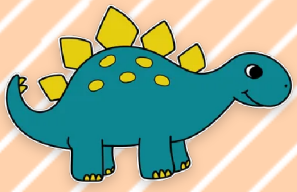
Look for patterns: the 5s end in 5 or 0, the 10s end in 0, and the chart is the same on both sides of the diagonal.

Art © Kevin Coulston

ANSWER KEY · MULTIPLICATION · FOR GROWN-UPS

Answer Key: Two-Digit by One-Digit Multiplication

Multiply. Start with the ones and carry when you need to!



1

$$\begin{array}{r} 25 \\ \times\ 5 \\ \hline 125 \end{array}$$

2

$$\begin{array}{r} 26 \\ \times\ 2 \\ \hline 52 \end{array}$$

3

$$\begin{array}{r} 34 \\ \times\ 9 \\ \hline 306 \end{array}$$

4

$$\begin{array}{r} 29 \\ \times\ 6 \\ \hline 174 \end{array}$$

5

$$\begin{array}{r} 40 \\ \times\ 4 \\ \hline 160 \end{array}$$

6

$$\begin{array}{r} 30 \\ \times\ 9 \\ \hline 270 \end{array}$$

7

$$\begin{array}{r} 75 \\ \times\ 9 \\ \hline 675 \end{array}$$

8

$$\begin{array}{r} 15 \\ \times\ 6 \\ \hline 90 \end{array}$$

9

$$\begin{array}{r} 32 \\ \times\ 6 \\ \hline 192 \end{array}$$

10

$$\begin{array}{r} 34 \\ \times\ 3 \\ \hline 102 \end{array}$$

11

$$\begin{array}{r} 256 \\ \times\ 6 \\ \hline 1536 \end{array}$$

12

$$\begin{array}{r} 163 \\ \times\ 2 \\ \hline 326 \end{array}$$

13

$$\begin{array}{r} 275 \\ \times\ 3 \\ \hline 825 \end{array}$$

14

$$\begin{array}{r} 365 \\ \times\ 6 \\ \hline 2190 \end{array}$$

15

$$\begin{array}{r} 156 \\ \times\ 3 \\ \hline 468 \end{array}$$

Art © Kevin Coulston

ANSWER KEY · DIVISION · FOR GROWN-UPS

Answer Key: Division with Equal Groups



Circle groups of the size shown. How many groups did you make? Write the answer.

1

10 dots. Circle groups of **2**.



$10 \div 2 =$ **5**

2

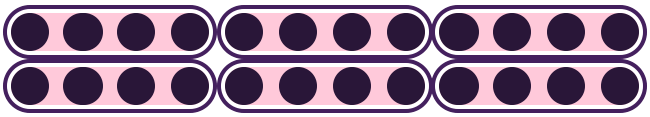
8 dots. Circle groups of **4**.



$8 \div 4 =$ **2**

3

24 dots. Circle groups of **4**.



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

4

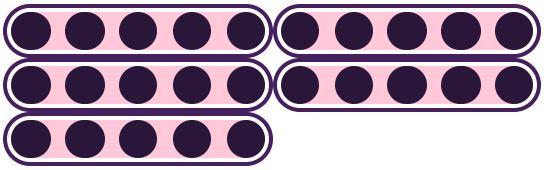
4 dots. Circle groups of **2**.



$4 \div 2 =$ **2**

5

25 dots. Circle groups of **5**.



$25 \div 5 =$ **5**

6

6 dots. Circle groups of **2**.



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

Art © Kevin Coulston

ANSWER KEY · DIVISION · FOR GROWN-UPS

Answer Key: Division Facts: Divide by 1 to 5

Divide. Think: what times the divisor makes the big number?



1 5 ÷ 1 = 5	2 21 ÷ 3 = 7	3 6 ÷ 3 = 2	4 36 ÷ 4 = 9
5 24 ÷ 3 = 8	6 15 ÷ 3 = 5	7 10 ÷ 1 = 10	8 16 ÷ 2 = 8
9 20 ÷ 2 = 10	10 32 ÷ 4 = 8	11 25 ÷ 5 = 5	12 10 ÷ 2 = 5
13 7 ÷ 1 = 7	14 2 ÷ 2 = 1	15 40 ÷ 5 = 8	16 8 ÷ 1 = 8
17 18 ÷ 3 = 6	18 30 ÷ 5 = 6	19 8 ÷ 2 = 4	20 12 ÷ 4 = 3
21 14 ÷ 2 = 7	22 4 ÷ 1 = 4	23 3 ÷ 3 = 1	24 9 ÷ 1 = 9
25 6 ÷ 2 = 3	26 40 ÷ 4 = 10	27 50 ÷ 5 = 10	28 28 ÷ 4 = 7
29 16 ÷ 4 = 4	30 9 ÷ 3 = 3	31 10 ÷ 5 = 2	32 2 ÷ 1 = 2
33 35 ÷ 5 = 7	34 45 ÷ 5 = 9	35 4 ÷ 2 = 2	36 8 ÷ 4 = 2
37 4 ÷ 4 = 1	38 1 ÷ 1 = 1	39 24 ÷ 4 = 6	40 12 ÷ 2 = 6

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

Art © Kevin Coulston

ANSWER KEY · DIVISION · FOR GROWN-UPS

Answer Key: Division Facts: Divide by 6 to 10

Divide. Think: what times the divisor makes the big number?



1 40 ÷ 8 = 5	2 90 ÷ 10 = 9	3 18 ÷ 6 = 3	4 30 ÷ 10 = 3
5 42 ÷ 6 = 7	6 35 ÷ 7 = 5	7 60 ÷ 10 = 6	8 81 ÷ 9 = 9
9 12 ÷ 6 = 2	10 60 ÷ 6 = 10	11 32 ÷ 8 = 4	12 36 ÷ 6 = 6
13 72 ÷ 8 = 9	14 48 ÷ 8 = 6	15 54 ÷ 6 = 9	16 50 ÷ 10 = 5
17 24 ÷ 8 = 3	18 56 ÷ 8 = 7	19 20 ÷ 10 = 2	20 48 ÷ 6 = 8
21 14 ÷ 7 = 2	22 80 ÷ 10 = 8	23 49 ÷ 7 = 7	24 45 ÷ 9 = 5
25 63 ÷ 7 = 9	26 56 ÷ 7 = 8	27 21 ÷ 7 = 3	28 7 ÷ 7 = 1
29 100 ÷ 10 = 10	30 30 ÷ 6 = 5	31 90 ÷ 9 = 10	32 24 ÷ 6 = 4
33 70 ÷ 10 = 7	34 70 ÷ 7 = 10	35 72 ÷ 9 = 8	36 18 ÷ 9 = 2
37 28 ÷ 7 = 4	38 40 ÷ 10 = 4	39 42 ÷ 7 = 6	40 54 ÷ 9 = 6

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

Art © Kevin Coulston

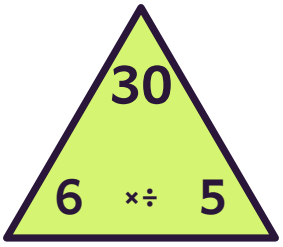
ANSWER KEY · DIVISION · FOR GROWN-UPS

Answer Key: Fact Families: Multiply and Divide

Use the three numbers to write two multiplication facts and two division facts.



1



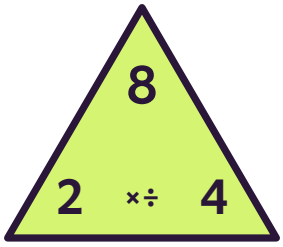
6 × 5 = 30

5 × 6 = 30

30 ÷ 6 = 5

30 ÷ 5 = 6

2



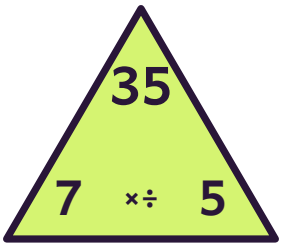
2 × 4 = 8

4 × 2 = 8

8 ÷ 2 = 4

8 ÷ 4 = 2

3



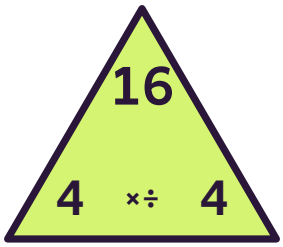
7 × 5 = 35

5 × 7 = 35

35 ÷ 7 = 5

35 ÷ 5 = 7

4



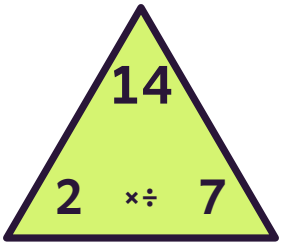
4 × 4 = 16

4 × 4 = 16

16 ÷ 4 = 4

16 ÷ 4 = 4

5



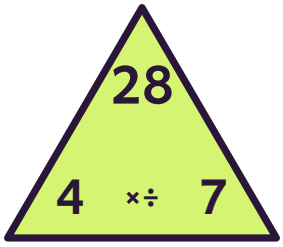
2 × 7 = 14

7 × 2 = 14

14 ÷ 2 = 7

14 ÷ 7 = 2

6



4 × 7 = 28

7 × 4 = 28

28 ÷ 4 = 7

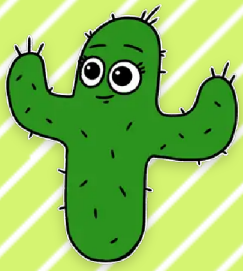
28 ÷ 7 = 4

Art © Kevin Coulston

ANSWER KEY · DIVISION · FOR GROWN-UPS

Answer Key: Long Division with Remainders

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



1 81 R7 — $8\overline{)655}$

2 20 R2 — $3\overline{)62}$

3 101 R4 — $5\overline{)509}$

4 19 R1 — $3\overline{)58}$

5 30 — $2\overline{)60}$

6 94 R4 — $5\overline{)474}$

7 193 R1 — $4\overline{)773}$

8 13 R1 — $6\overline{)79}$

9 15 R5 — $6\overline{)95}$

10 14 R5 — $6\overline{)89}$

11 13 R3 — $6\overline{)81}$

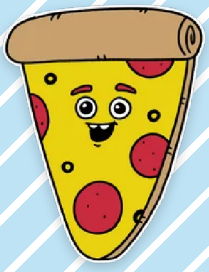
12 62 R1 — $7\overline{)435}$

Art © Kevin Coulston

ANSWER KEY · FRACTIONS · FOR GROWN-UPS

Answer Key: Name the Fraction

How many equal parts? How many are shaded? Write the fraction.

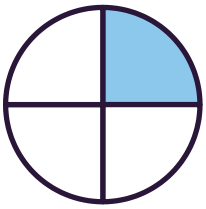


1



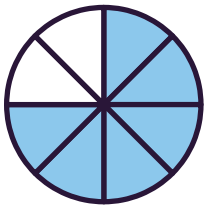
$\frac{1}{4}$

2



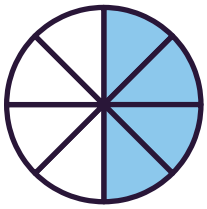
$\frac{1}{4}$

3



$\frac{6}{8}$

4



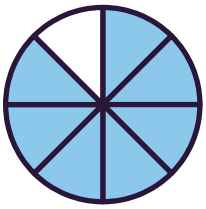
$\frac{4}{8}$

5



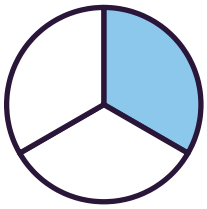
$\frac{1}{5}$

6



$\frac{7}{8}$

7



$\frac{1}{3}$

8



$\frac{3}{4}$

9



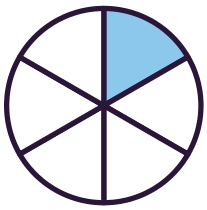
$\frac{2}{5}$

10



$\frac{5}{6}$

11



$\frac{1}{6}$

12



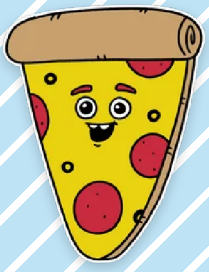
$\frac{6}{8}$

Art © Kevin Coulston

ANSWER KEY · FRACTIONS · FOR GROWN-UPS

Answer Key: Color the Fraction

Read the fraction. Color that many equal parts.

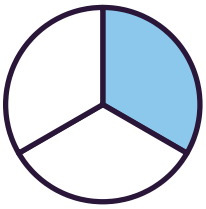


1



$\frac{5}{8}$

2



$\frac{1}{3}$

3



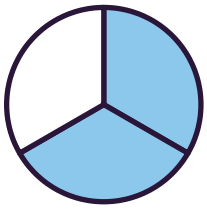
$\frac{2}{4}$

4



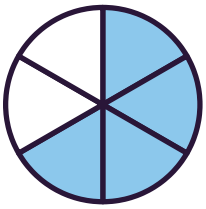
$\frac{1}{5}$

5



$\frac{2}{3}$

6



$\frac{4}{6}$

7



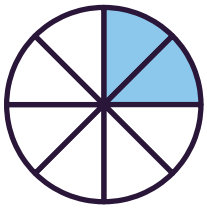
$\frac{1}{4}$

8



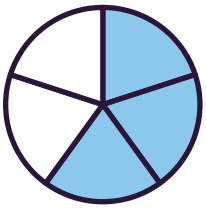
$\frac{2}{3}$

9



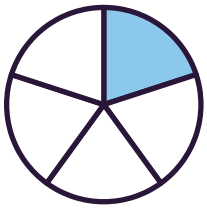
$\frac{2}{8}$

10



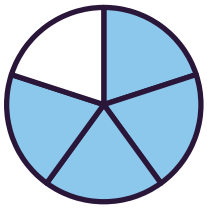
$\frac{3}{5}$

11



$\frac{1}{5}$

12



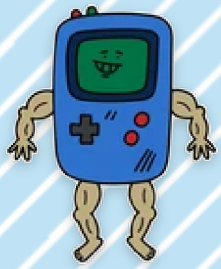
$\frac{4}{5}$

Art © Kevin Coulston

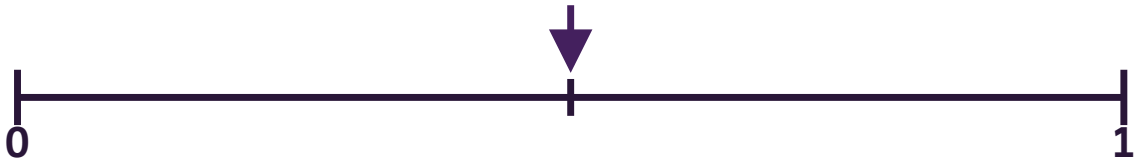
ANSWER KEY · FRACTIONS · FOR GROWN-UPS

Answer Key: Fractions on a Number Line

Count the equal jumps from 0 to 1. Write the fraction at the arrow.



1



$\frac{1}{2}$

2



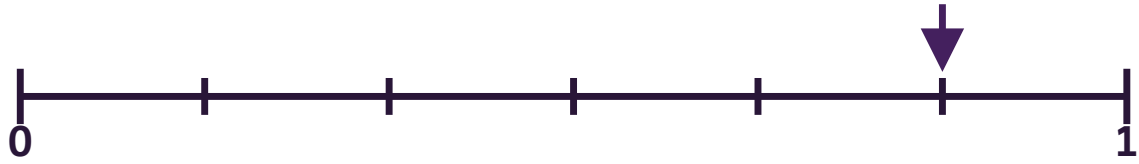
$\frac{1}{3}$

3



$\frac{1}{4}$

4



$\frac{5}{6}$

5



$\frac{3}{8}$

6



$\frac{1}{4}$

7



$\frac{2}{3}$

Art © Kevin Coulston

ANSWER KEY · FRACTIONS · FOR GROWN-UPS

Answer Key: Compare Fractions

Shade each fraction bar. Write <, > or = in the circle.



1 $\frac{7}{8}$ > $\frac{2}{6}$

2 $\frac{7}{8}$ > $\frac{4}{8}$

3 $\frac{1}{6}$ > $\frac{1}{8}$

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

5 $\frac{2}{3}$ = $\frac{4}{6}$

6 $\frac{2}{3}$ > $\frac{1}{2}$

7 $\frac{1}{6}$ < $\frac{5}{6}$

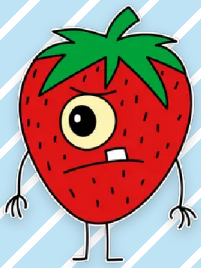
8 $\frac{1}{3}$ > $\frac{1}{6}$

Art © Kevin Coulston

ANSWER KEY · FRACTIONS · FOR GROWN-UPS

Answer Key: Equivalent Fractions

Use the fraction wall. Fill in the missing number so the fractions are equal.



Fraction wall

1											
$\frac{1}{2}$						$\frac{1}{2}$					
$\frac{1}{3}$				$\frac{1}{3}$				$\frac{1}{3}$			
$\frac{1}{4}$				$\frac{1}{4}$				$\frac{1}{4}$			
$\frac{1}{6}$				$\frac{1}{6}$				$\frac{1}{6}$			
$\frac{1}{8}$				$\frac{1}{8}$				$\frac{1}{8}$			
$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$

1

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

2

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

3

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

4

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

5

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

6

$$\frac{5}{6} = \frac{10}{12}$$

7

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

8

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

9

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

10

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

11

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

12

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

Art © Kevin Coulston

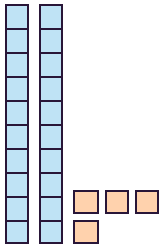
ANSWER KEY · PLACE VALUE · FOR GROWN-UPS

Answer Key: Tens and Ones

Count the tens (long bars) and the ones (small cubes). Write the number.

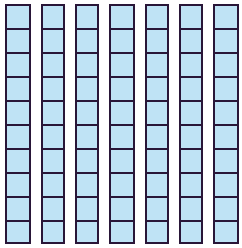


1



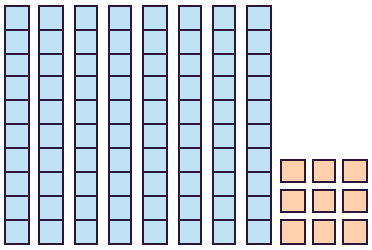
2 tens
4 ones
= 24

2



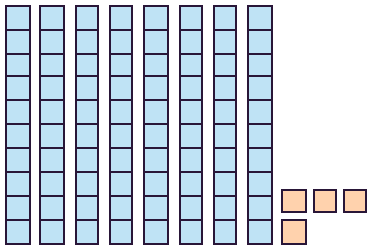
7 tens
0 ones
= 70

3



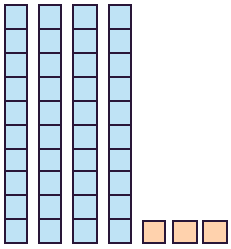
8 tens
9 ones
= 89

4



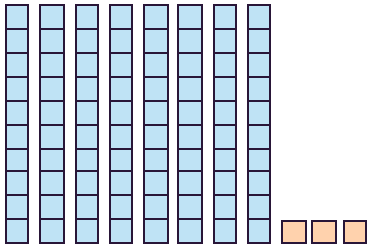
8 tens
4 ones
= 84

5



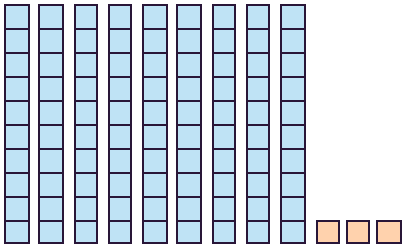
4 tens
3 ones
= 43

6



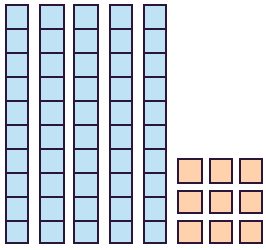
8 tens
3 ones
= 83

7



9 tens
3 ones
= 93

8



5 tens
9 ones
= 59

Art © Kevin Coulston

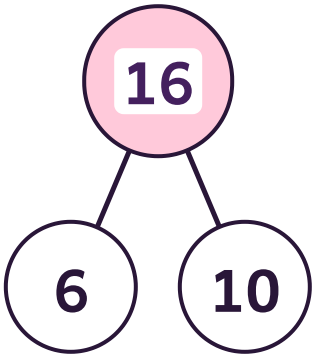
ANSWER KEY · PLACE VALUE · FOR GROWN-UPS

Answer Key: Number Bonds Within 20

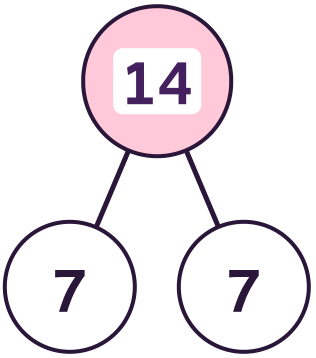
The two parts make the whole. Write the missing number.



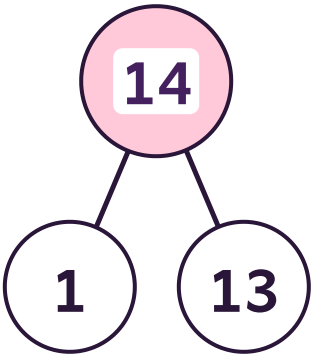
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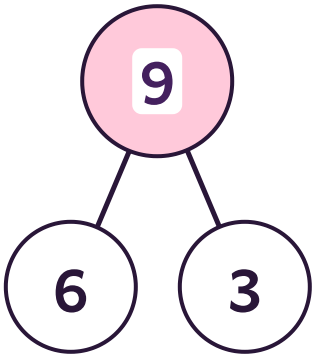
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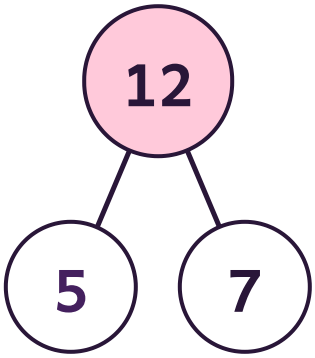
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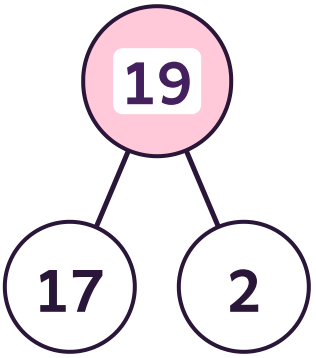
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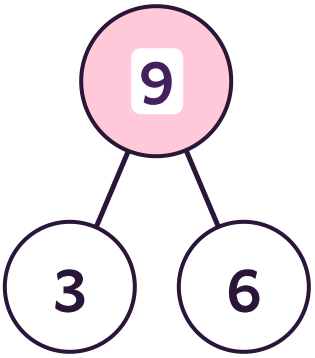
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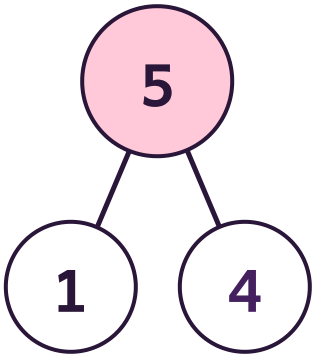
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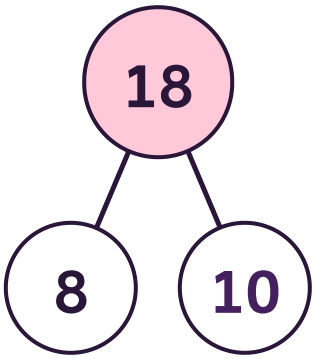
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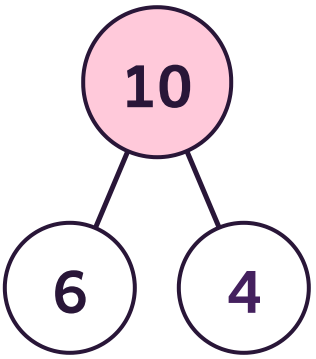
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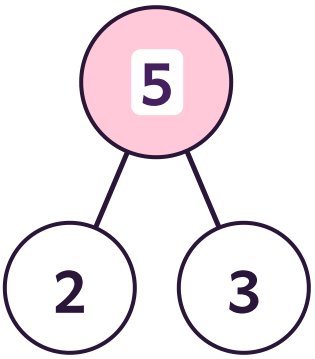
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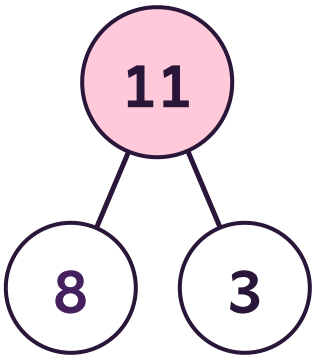
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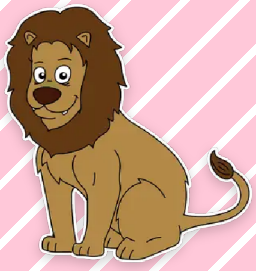
12



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ANSWER KEY · PLACE VALUE · FOR GROWN-UPS

Answer Key: Hundreds, Tens and Ones



Write how many hundreds, tens and ones. Then write the number in expanded form.

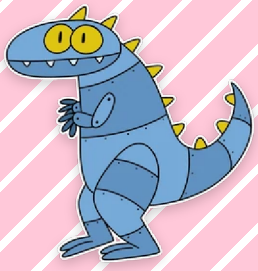
Number	Hundreds	Tens	Ones	Expanded form
623	6	2	3	600 + 20 + 3
894	8	9	4	800 + 90 + 4
903	9	0	3	900 + 3
667	6	6	7	600 + 60 + 7
671	6	7	1	600 + 70 + 1
297	2	9	7	200 + 90 + 7
700	7	0	0	700
424	4	2	4	400 + 20 + 4
220	2	2	0	200 + 20
287	2	8	7	200 + 80 + 7

Art © Kevin Coulston

ANSWER KEY · PLACE VALUE · FOR GROWN-UPS

Answer Key: Expanded Form and Word Form

Fill in each row. Write the number in standard form, expanded form and word form.



Standard form	Expanded form	Word form
1,345	1,000 + 300 + 40 + 5	one thousand three hundred forty-five
5,838	5,000 + 800 + 30 + 8	five thousand eight hundred thirty-eight
6,295	6,000 + 200 + 90 + 5	six thousand two hundred ninety-five
9,609	9,000 + 600 + 9	nine thousand six hundred nine
71,209	70,000 + 1,000 + 200 + 9	seventy-one thousand two hundred nine
34,918	30,000 + 4,000 + 900 + 10 + 8	thirty-four thousand nine hundred eighteen
90,153	90,000 + 100 + 50 + 3	ninety thousand one hundred fifty-three
91,962	90,000 + 1,000 + 900 + 60 + 2	ninety-one thousand nine hundred sixty-two

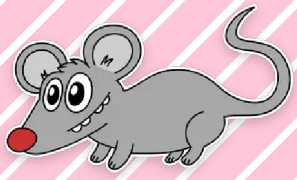
Standard form: 4,562. Expanded form: 4,000 + 500 + 60 + 2. Word form: four thousand five hundred sixty-two.

Art © Kevin Coulston

ANSWER KEY · PLACE VALUE · FOR GROWN-UPS

Answer Key: Rounding to 10, 100 and 1,000

Look at the digit to the right. 5 or more? Round up. 4 or less? Round down.



Number	Nearest 10	Nearest 100	Nearest 1,000
1,162	1,160	1,200	1,000
3,202	3,200	3,200	3,000
5,684	5,680	5,700	6,000
8,816	8,820	8,800	9,000
6,369	6,370	6,400	6,000
6,901	6,900	6,900	7,000

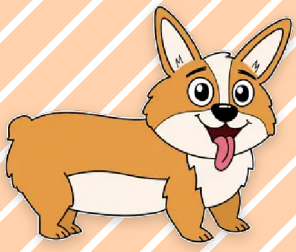
Example: 4,672 rounds to 4,670 (nearest 10), 4,700 (nearest 100) and 5,000 (nearest 1,000).

Art © Kevin Coulston

ANSWER KEY · WORD PROBLEMS · FOR GROWN-UPS

Answer Key: Word Problems: 1st Grade

Read each problem. Draw a picture or write a number sentence. Write the answer.



1 Maya has 8 stickers. Her friend gives her 5 more. How many stickers does Maya have now?

Answer: 13 **stickers**

2 There are 15 ducks in the pond. 7 ducks fly away. How many ducks are left?

Answer: 8 **ducks**

3 Leo drew 6 robots on Monday and 9 robots on Tuesday. How many robots did he draw in all?

Answer: 15 **robots**

4 A box has 12 crayons. 4 crayons are broken. How many crayons are not broken?

Answer: 8 **crayons**

5 Sam read 7 books. Ava read 3 more books than Sam. How many books did Ava read?

Answer: 10 **books**

6 There were 9 cupcakes on a plate. Now there are 2. How many cupcakes were eaten?

Answer: 7 **cupcakes**

Art © Kevin Coulston

ANSWER KEY · WORD PROBLEMS · FOR GROWN-UPS

Answer Key: Word Problems: 2nd Grade

Read each problem. Show your work in the box. Write the answer.



1 The class collected 46 cans on Monday and 38 cans on Tuesday. How many cans did they collect in all?

Answer: 84 cans

2 A book has 72 pages. Nina has read 45 pages. How many pages does she have left to read?

Answer: 27 pages

3 There are 54 kids at the park. 19 kids go home. How many kids are still at the park?

Answer: 35 kids

4 Ben has 25 marbles. Jada has 18 more marbles than Ben. How many marbles does Jada have?

Answer: 43 marbles

5 A pencil costs 35¢ and an eraser costs 28¢. How much do they cost together?

Answer: 63¢

6 Ms. Lee had 90 stickers. She gave out 34 in the morning and 27 in the afternoon. How many stickers are left?

Answer: 29 stickers

Art © Kevin Coulston

ANSWER KEY · WORD PROBLEMS · FOR GROWN-UPS

Answer Key: Word Problems: 3rd Grade

Read each problem. Multiply or divide? Show your work. Write the answer.



1 There are 6 tables in the art room. Each table has 4 chairs. How many chairs are there?

Answer: 24 **chairs**

2 32 kids line up in 4 equal teams. How many kids are on each team?

Answer: 8 **kids**

3 A pack has 8 markers. Mr. Diaz buys 7 packs. How many markers does he buy?

Answer: 56 **markers**

4 45 cookies are put in bags of 5. How many bags are filled?

Answer: 9 **bags**

5 A garden has 9 rows with 6 plants in each row. How many plants are in the garden?

Answer: 54 **plants**

6 Zoe has 28 photos. She puts 7 photos on each page of her album. How many pages does she fill?

Answer: 4 **pages**

Art © Kevin Coulston

ANSWER KEY · WORD PROBLEMS · FOR GROWN-UPS

Answer Key: Word Problems: 4th Grade

Read each problem twice. Plan the steps. Show your work. Write the answer.



1 A school orders 12 boxes of pencils with 24 pencils in each box. It gives 150 pencils to the 4th grade. How many pencils are left?

Answer: 138 **pencils**

2 Tickets cost $8 for kids and $12 for adults. How much do 3 kids and 2 adults pay in all?

Answer: $48

3 A farmer has 156 eggs. He packs them in cartons of 12. How many cartons does he fill?

Answer: 13 **cartons**

4 Lily reads 35 pages a day for 6 days. Her book has 250 pages. How many pages does she still have to read?

Answer: 40 **pages**

5 98 students go on a field trip. Each bus holds 40 students. How many buses do they need?

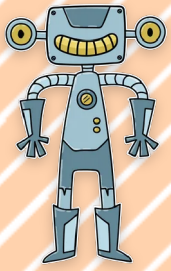
Answer: 3 **buses**

Art © Kevin Coulston

ANSWER KEY · WORD PROBLEMS · FOR GROWN-UPS

Answer Key: Word Problems: 5th Grade

Read each problem twice. Show your work. Write the answer with its unit.



1 Jon ran 2 1/2 miles on Monday and 1 3/4 miles on Tuesday. How far did he run in all?

Answer: 4 1/4 miles

2 A notebook costs $2.45. How much do 4 notebooks cost?

Answer: $9.80

3 A recipe needs 3/4 cup of flour. How much flour is needed for 2 batches?

Answer: 1 1/2 cups

4 A ribbon is 3.6 meters long. It is cut into 4 equal pieces. How long is each piece?

Answer: 0.9 meters

5 Maria had $20.00. She bought a book for $7.85 and a pen for $1.50. How much money does she have left?

Answer: $10.65

Art © Kevin Coulston

ANSWER KEY · TELLING TIME · FOR GROWN-UPS

Answer Key: Telling Time to the Hour

Look at the short hour hand. The long minute hand points to 12. Write the time.



1



7:00

2



2:00

3



11:00

4



10:00

5



1:00

6



12:00

7



3:00

8



6:00

9



9:00

10



8:00

11



4:00

12



5:00

Art © Kevin Coulston

ANSWER KEY · TELLING TIME · FOR GROWN-UPS

Answer Key: Draw the Time: Hour and Half Hour

Draw the short hour hand and the long minute hand to show each time.



1



12:00

2



5:00

3



6:00

4



4:00

5



3:00

6



2:30

7



7:30

8



10:30

9



1:30

10



11:30

11



8:00

12



9:30

Art © Kevin Coulston

ANSWER KEY · TELLING TIME · FOR GROWN-UPS

Answer Key: Telling Time to Five Minutes

Read the hour hand. Count by fives for the minute hand. Write the time.



1



11:30

2



1:50

3



7:30

4



8:45

5



3:45

6



3:20

7



7:15

8



12:40

9



11:10

10



3:25

11



3:15

12



11:55

Art © Kevin Coulston

ANSWER KEY · TELLING TIME · FOR GROWN-UPS

Answer Key: Telling Time to the Minute

Read the hour hand. Count by fives, then by ones. Write the time.



1



3:58

2



12:54

3



11:29

4



7:56

5



9:26

6



1:02

7



10:27

8



11:41

9



5:27

10



5:49

11



6:51

12



12:22

Art © Kevin Coulston

ANSWER KEY · TELLING TIME · FOR GROWN-UPS

Answer Key: Elapsed Time

Write the start time and the end time. How much time passed?



1

Start



End



Start: 9:30

End: 10:10

Time passed: 40 min

2

Start



End



Start: 11:45

End: 12:55

Time passed: 1 h 10 min

3

Start



End



Start: 10:35

End: 12:25

Time passed: 1 h 50 min

4

Start



End



Start: 9:50

End: 12:10

Time passed: 2 h 20 min

5

Start



End



Start: 7:05

End: 8:20

Time passed: 1 h 15 min

6

Start



End



Start: 7:20

End: 8:25

Time passed: 1 h 5 min

7. Art class starts at 1:20 and ends at 2:05. How long is art class? 45 minutes

8. Recess starts at 10:15 and lasts 25 minutes. What time does recess end? 10:40

Art © Kevin Coulston

ANSWER KEY · MONEY · FOR GROWN-UPS

Answer Key: Coin Values

Look at the coin key. Write the value of each coin in cents.



Coin key



penny

1¢



nickel

5¢



dime

10¢



quarter

25¢



1¢



10¢



1¢



10¢



10¢



5¢



25¢





25¢



10¢



1¢



1¢



1¢



10¢



10¢



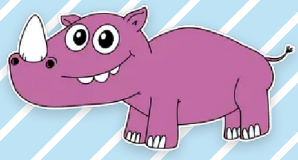
1¢

Art © Kevin Coulston

ANSWER KEY · MONEY · FOR GROWN-UPS

Answer Key: Count the Coins

Count the coins. Start with the coin worth the most. Write the total in cents.



1 QUARTER DOLLAR · QUARTER DOLLAR · FIVE CENTS · FIVE CENTS

Total: 60¢

2 QUARTER DOLLAR · FIVE CENTS · FIVE CENTS · ONE CENT

Total: 36¢

3 ONE DIME · ONE DIME · ONE DIME · FIVE CENTS · ONE CENT · ONE CENT

Total: 37¢

4 QUARTER DOLLAR · ONE DIME · ONE DIME · ONE DIME · FIVE CENTS · FIVE CENTS

Total: 65¢

5 FIVE CENTS · FIVE CENTS · FIVE CENTS · ONE CENT · ONE CENT · ONE CENT

Total: 18¢

6 QUARTER DOLLAR · FIVE CENTS · ONE CENT

Total: 31¢

7 FIVE CENTS · FIVE CENTS · FIVE CENTS · FIVE CENTS · ONE CENT · ONE CENT

Total: 22¢

8 QUARTER DOLLAR · ONE DIME · FIVE CENTS · FIVE CENTS · FIVE CENTS · ONE CENT

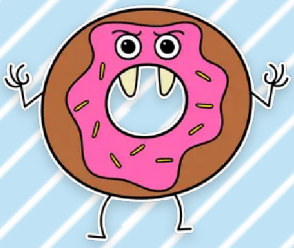
Total: 51¢

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ANSWER KEY · MONEY · FOR GROWN-UPS

Answer Key: Count Bills and Coins

Count the bills first, then the coins. Write the total with a $ and a dot.



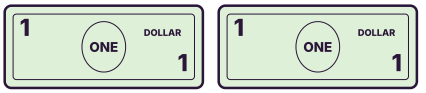
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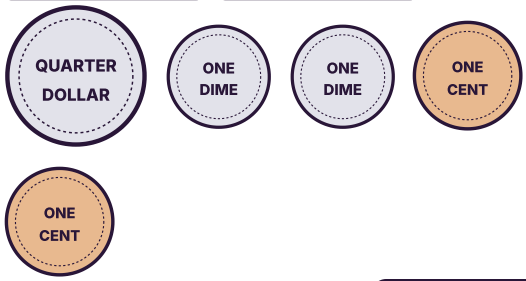




Total: $1.32

2





Total: $2.47

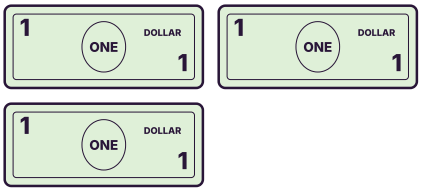
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Total: $5.26

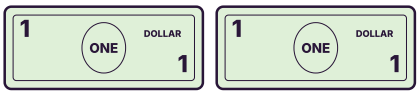
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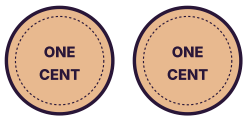




Total: $3.06

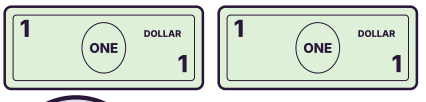
5





Total: $2.02

6





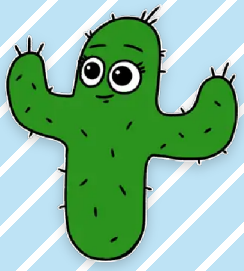
Total: $2.42

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ANSWER KEY · MONEY · FOR GROWN-UPS

Answer Key: Making Change from $1

You pay with $1.00. How much change do you get back? Count up from the price!



You buy	Price	You pay	Your change
a sticker	**94¢**	$1.00	**6¢**
a balloon	**10¢**	$1.00	**90¢**
a toy car	**20¢**	$1.00	**80¢**
a bouncy ball	**60¢**	$1.00	**40¢**
a pencil	**82¢**	$1.00	**18¢**
a cookie	**23¢**	$1.00	**77¢**
a juice box	**42¢**	$1.00	**58¢**
a bookmark	**75¢**	$1.00	**25¢**
a mini notebook	**95¢**	$1.00	**5¢**
a apple	**49¢**	$1.00	**51¢**

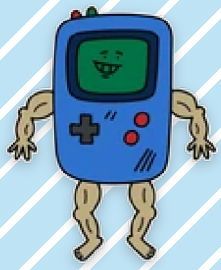
Count up: from 65¢, 5¢ more makes 70¢, then 30¢ more makes $1.00. Your change is 35¢.

Art © Kevin Coulston

ANSWER KEY · MONEY · FOR GROWN-UPS

Answer Key: Classroom Store

Add up each order. Then find the change from the money paid.



Classroom store prices

pencil	$0.25	eraser	$0.40	sticker sheet	$0.75	glue stick	$0.95
crayons	$1.10	ruler	$1.20	notebook	$1.50	markers	$2.35

1 pencil, eraser

Total: $0.65

You pay **$1.00** . Change: $0.35

2 sticker sheet, pencil, pencil

Total: $1.25

You pay **$2.00** . Change: $0.75

3 notebook, glue stick

Total: $2.45

You pay **$3.00** . Change: $0.55

4 markers, ruler

Total: $3.55

You pay **$5.00** . Change: $1.45

5 crayons, eraser, sticker sheet

Total: $2.25

You pay **$5.00** . Change: $2.75

6 notebook, markers, pencil

Total: $4.10

You pay **$10.00** . Change: $5.90

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