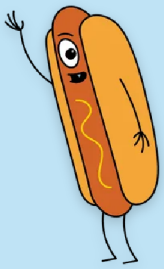
MATH WORKSHEET · GRADE 2 · FRACTIONS

Split Shapes into Equal Parts

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

Name: _____ **Date:** _____



1



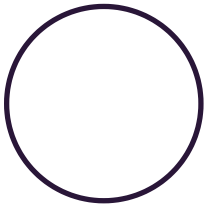
fourths

2



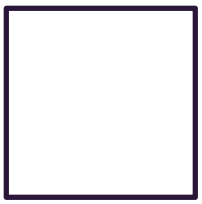
halves

3



thirds

4



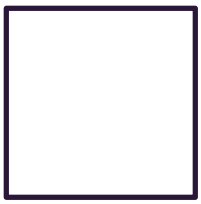
halves

5



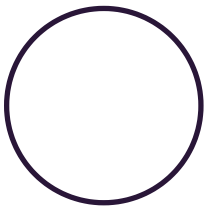
thirds

6



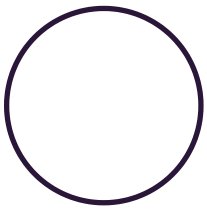
fourths

7



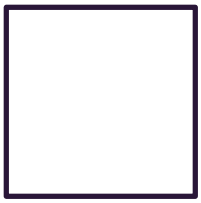
halves

8



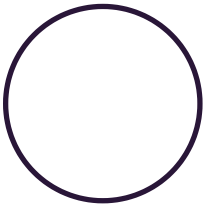
halves

9



fourths

10



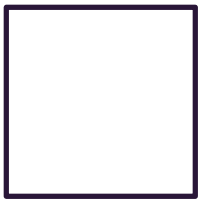
fourths

11



fourths

12

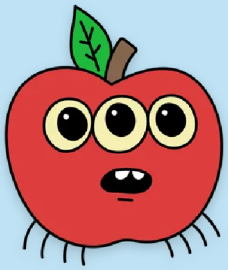


thirds

Art © Kevin Coulston

MATH WORKSHEET · GRADES 3–4 · FRACTIONS

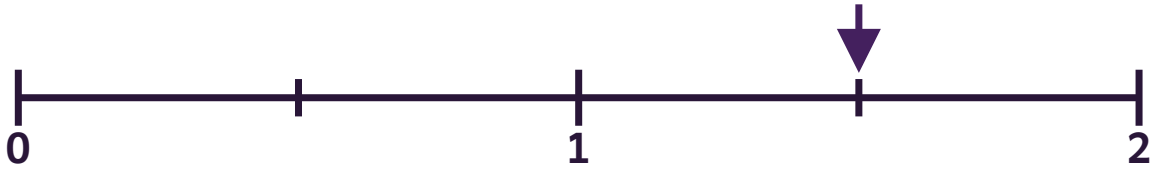
Fractions Greater Than 1 on a Number Line



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

Name: _____ **Date:** _____

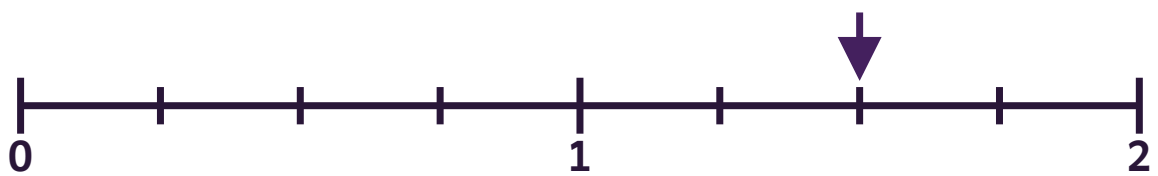
1



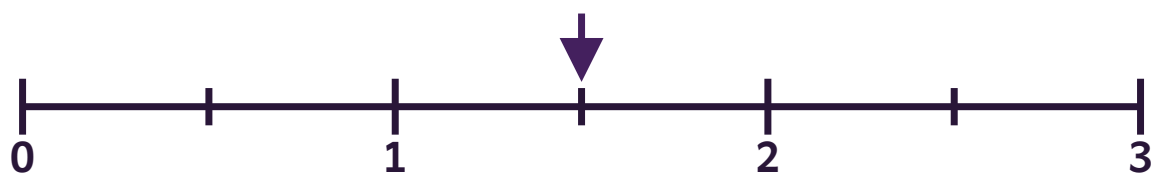
2



3



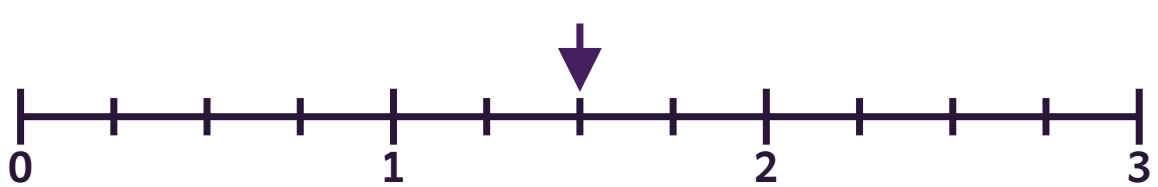
4



5



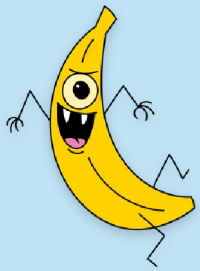
6



Art © Kevin Coulston

MATH WORKSHEET · GRADES 3–4 · FRACTIONS

Order Fractions from Least to Greatest



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

Name: _____ **Date:** _____

1 $\frac{1}{5}$, $\frac{4}{5}$, $\frac{3}{5}$ → $\frac{\square}{\square} < \frac{\square}{\square} < \frac{\square}{\square}$

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

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

4 $\frac{1}{10}$, $\frac{1}{4}$, $\frac{1}{12}$ → $\frac{\square}{\square} < \frac{\square}{\square} < \frac{\square}{\square}$

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

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

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

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

Least means smallest. Write the smallest fraction first.

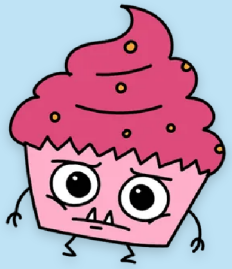
Art © Kevin Coulston

MATH WORKSHEET · GRADES 4–5 · FRACTIONS

Simplify Fractions

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

Name: _____ **Date:** _____



1 $\frac{20}{24} = \frac{\square}{\square}$

2 $\frac{6}{10} = \frac{\square}{\square}$

3 $\frac{8}{14} = \frac{\square}{\square}$

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

5 $\frac{2}{8} = \frac{\square}{\square}$

6 $\frac{8}{12} = \frac{\square}{\square}$

7 $\frac{4}{24} = \frac{\square}{\square}$

8 $\frac{3}{9} = \frac{\square}{\square}$

9 $\frac{10}{14} = \frac{\square}{\square}$

10 $\frac{6}{8} = \frac{\square}{\square}$

11 $\frac{12}{16} = \frac{\square}{\square}$

12 $\frac{9}{12} = \frac{\square}{\square}$

13 $\frac{6}{21} = \frac{\square}{\square}$

14 $\frac{4}{6} = \frac{\square}{\square}$

15 $\frac{4}{20} = \frac{\square}{\square}$

16 $\frac{16}{20} = \frac{\square}{\square}$

Art © Kevin Coulston

MATH WORKSHEET · GRADES 4–5 · FRACTIONS

Multiply a Fraction by a Whole Number



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

Name: _____ **Date:** _____

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

2 $6 \times \frac{7}{9} = \square \frac{\square}{\square}$

3 $2 \times \frac{7}{9} = \square \frac{\square}{\square}$

4 $4 \times \frac{3}{8} = \square \frac{\square}{\square}$

5 $2 \times \frac{5}{8} = \square \frac{\square}{\square}$

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

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

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

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

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

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

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

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

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

15 $4 \times \frac{5}{7} = \square \frac{\square}{\square}$

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

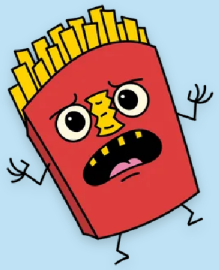
Art © Kevin Coulston

MATH WORKSHEET · GRADES 4–5 · FRACTIONS

Add and Subtract Mixed Numbers

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

Name: _____ **Date:** _____



1

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

2

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

3

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

4

$$3\ \frac{7}{8} - 2\ \frac{2}{8} = \square\ \frac{\square}{\square}$$

5

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

6

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

7

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

8

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

9

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

10

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

11

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

12

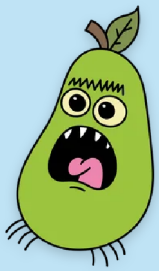
$$3\ \frac{2}{6} - 2\ \frac{2}{6} = \square\ \frac{\square}{\square}$$

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

Art © Kevin Coulston

MATH WORKSHEET · GRADE 5 · FRACTIONS

Add and Subtract Fractions with Unlike Denominators



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

Name: _____ **Date:** _____

1

$$\frac{1}{2} + \frac{2}{3} = \square\,\frac{\square}{\square}$$

2

$$\frac{7}{8} - \frac{1}{6} = \square\,\frac{\square}{\square}$$

3

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

4

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

5

$$\frac{7}{8} + \frac{5}{6} = \square\,\frac{\square}{\square}$$

6

$$\frac{3}{5} - \frac{1}{3} = \square\,\frac{\square}{\square}$$

7

$$\frac{5}{6} - \frac{1}{2} = \square\,\frac{\square}{\square}$$

8

$$\frac{1}{2} - \frac{1}{3} = \square\,\frac{\square}{\square}$$

9

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

10

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

11

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

12

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

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

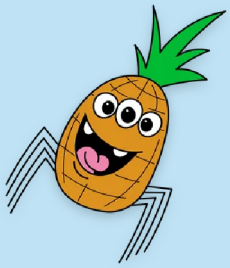
Art © Kevin Coulston

MATH WORKSHEET · GRADE 5 · FRACTIONS

Multiply Two Fractions

Multiply the numerators. Multiply the denominators. Simplify.

Name: _____ **Date:** _____



1

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

2

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

3

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

4

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

5

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

6

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

7

$$\frac{1}{6} \times \frac{2}{5} = \frac{\square}{\square}$$

8

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

9

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

10

$$\frac{4}{7} \times \frac{2}{5} = \frac{\square}{\square}$$

11

$$\frac{3}{8} \times \frac{1}{5} = \frac{\square}{\square}$$

12

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

13

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

14

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

15

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

Write every answer in simplest form.

Free printable from FirstArtBooks.com · 200 math worksheets at firstartbooks.com/math-worksheets

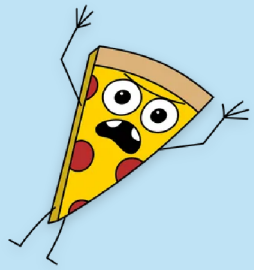
Art © Kevin Coulston

MATH WORKSHEET · GRADE 5 · FRACTIONS

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.

Name: _____ **Date:** _____



1

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

2

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

3

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

4

$2 \div \frac{1}{6} = \square$

5

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

6

$5 \div \frac{1}{7} = \square$

7

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

8

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

9

$\frac{1}{8} \div 5 = \frac{\square}{\square}$

10

$\frac{1}{7} \div 4 = \frac{\square}{\square}$

11

$4 \div \frac{1}{5} = \square$

12

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

13

$\frac{1}{7} \div 3 = \frac{\square}{\square}$

14

$\frac{1}{5} \div 4 = \frac{\square}{\square}$

15

$\frac{1}{4} \div 4 = \frac{\square}{\square}$

Write every answer in simplest form.

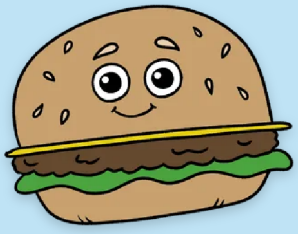
Art © Kevin Coulston

MATH WORKSHEET · GRADES 3–4 · FRACTIONS

Compare Fractions to One Half

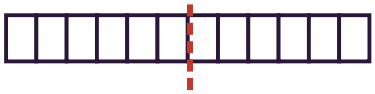
Shade the fraction bar. Is it less than, equal to or more than the half line? Circle one.

Name: _____ **Date:** _____



1

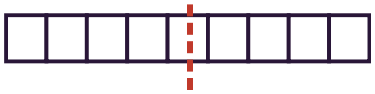
$\frac{10}{12}$



less equal more

2

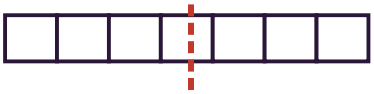
$\frac{2}{9}$



less equal more

3

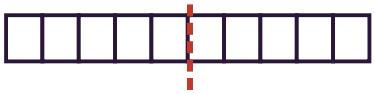
$\frac{6}{7}$



less equal more

4

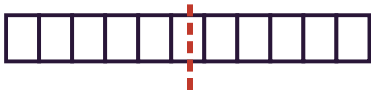
$\frac{7}{10}$



less equal more

5

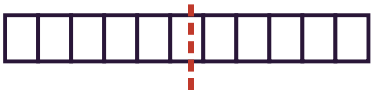
$\frac{7}{11}$



less equal more

6

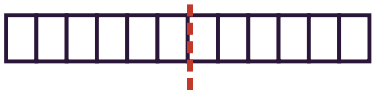
$\frac{2}{11}$



less equal more

7

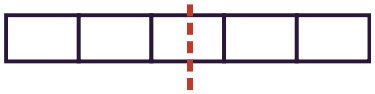
$\frac{11}{12}$



less equal more

8

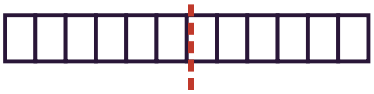
$\frac{4}{5}$



less equal more

9

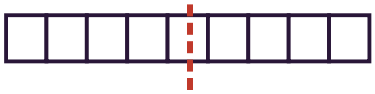
$\frac{1}{12}$



less equal more

10

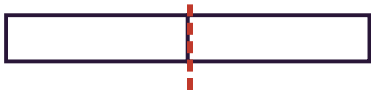
$\frac{7}{9}$



less equal more

11

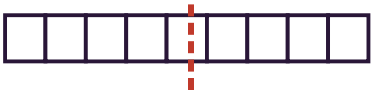
$\frac{1}{2}$



less equal more

12

$\frac{5}{9}$



less equal more

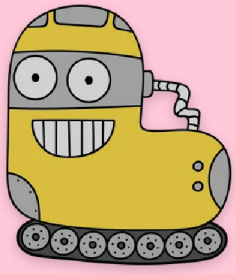
Art © Kevin Coulston

MATH WORKSHEET · GRADE 1 · PLACE VALUE

Draw Tens and Ones

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

Name: _____ **Date:** _____



1

29

☐ tens

☐ ones

2

39

☐ tens

☐ ones

3

27

☐ tens

☐ ones

4

19

☐ tens

☐ ones

5

35

☐ tens

☐ ones

6

12

☐ tens

☐ ones

7

10

☐ tens

☐ ones

8

59

☐ tens

☐ ones

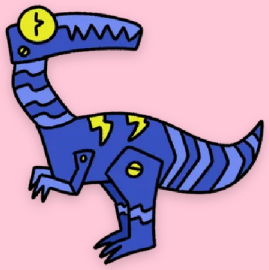
Art © Kevin Coulston

MATH WORKSHEET · GRADES 1–2 · PLACE VALUE

Regroup Tens and Ones

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

Name: _____ **Date:** _____



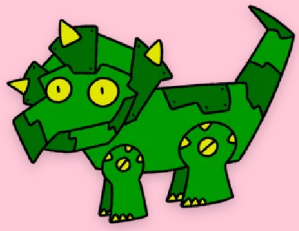
Number	Tens and ones	Break 1 ten	Break 2 tens
98	9 tens 8 ones	8 tens ____ ones	7 tens ____ ones
99	9 tens 9 ones	8 tens ____ ones	7 tens ____ ones
53	5 tens 3 ones	4 tens ____ ones	3 tens ____ ones
69	6 tens 9 ones	5 tens ____ ones	4 tens ____ ones
42	4 tens 2 ones	3 tens ____ ones	2 tens ____ ones
86	8 tens 6 ones	7 tens ____ ones	6 tens ____ ones
95	9 tens 5 ones	8 tens ____ ones	7 tens ____ ones
65	6 tens 5 ones	5 tens ____ ones	4 tens ____ ones

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

Art © Kevin Coulston

MATH WORKSHEET · GRADE 2 · PLACE VALUE

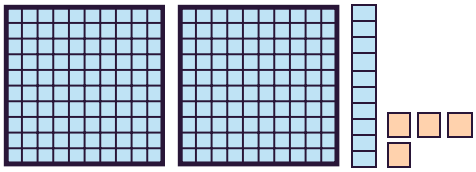
Hundreds, Tens and Ones with Blocks



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

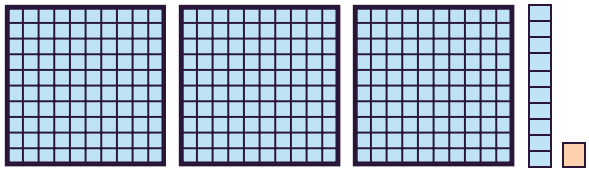
Name: _____ **Date:** _____

1



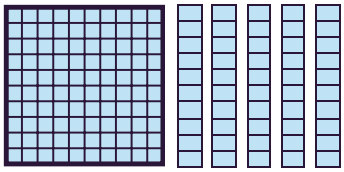
☐ hundreds ☐ tens ☐ ones = ☐

2



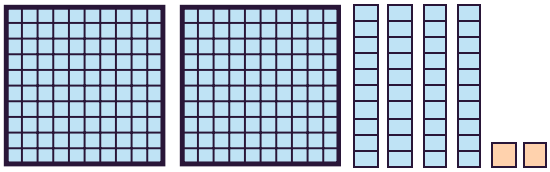
☐ hundreds ☐ tens ☐ ones = ☐

3



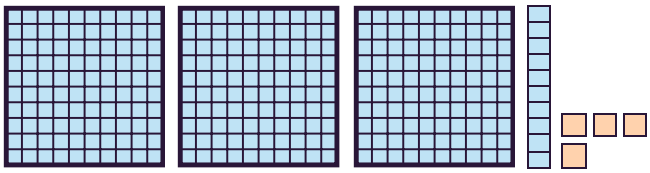
☐ hundreds ☐ tens ☐ ones = ☐

4



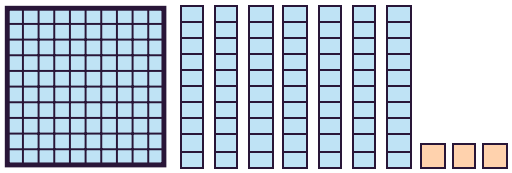
☐ hundreds ☐ tens ☐ ones = ☐

5



☐ hundreds ☐ tens ☐ ones = ☐

6



☐ hundreds ☐ tens ☐ ones = ☐

Art © Kevin Coulston

MATH WORKSHEET · GRADE 2 · PLACE VALUE

Count by 10s and 100s from Any Number



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

Name: _____ **Date:** _____

by 10s	7		27	37	47			77
by 10s	23			53	63	73	83	
by 10s	156	166	176			206		226
by 10s	382		402				442	452
by 100s	100		300			600	700	
by 100s	40			340			640	740
by 100s	215				615	715	815	
by 10s	940		960	970	980			
by 100s	38	138		338			638	

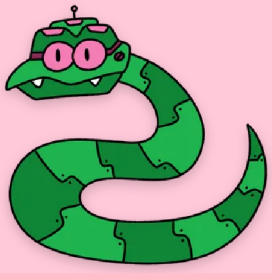
Art © Kevin Coulston

MATH WORKSHEET · GRADES 2–3 · PLACE VALUE

Round on a Number Line

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

Name: _____ **Date:** _____



1

Round 267 to the nearest ten



267 rounds to ☐

2

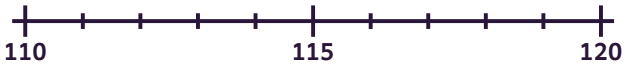
Round 96 to the nearest ten



96 rounds to ☐

3

Round 119 to the nearest ten



119 rounds to ☐

4

Round 32 to the nearest ten



32 rounds to ☐

5

Round 720 to the nearest hundred



720 rounds to ☐

6

Round 443 to the nearest hundred



443 rounds to ☐

7

Round 271 to the nearest hundred



271 rounds to ☐

8

Round 779 to the nearest hundred



779 rounds to ☐

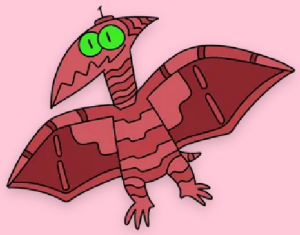
Art © Kevin Coulston

MATH WORKSHEET · GRADE 4 · PLACE VALUE

Place Value Chart to Millions

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

Name: _____ **Date:** _____



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

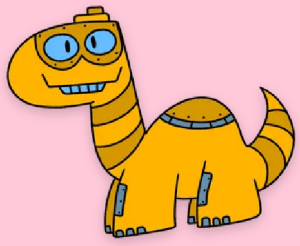
Commas split a number into groups of three: millions, thousands and ones.

Art © Kevin Coulston

MATH WORKSHEET · GRADE 4 · PLACE VALUE

Compare Numbers to 1,000,000

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



Name: _____ **Date:** _____

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

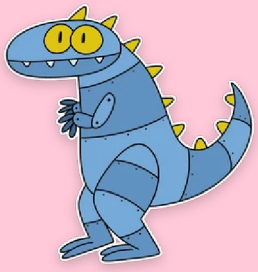
Art © Kevin Coulston

MATH WORKSHEET · GRADES 4–5 · PLACE VALUE

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.

Name: _____ **Date:** _____



1 10 times 300 is _____.

2 1/10 of 800 is _____.

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

4 800 is _____ times as much as 80.

5 10 times 400 is _____.

6 300 is _____ times as much as 30.

7 10 times 9,000 is _____.

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

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

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

11 1/10 of 300 is _____.

12 1/10 of 9,000 is _____.

13 1/10 of 20,000 is _____.

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

15 1/10 of 7,000 is _____.

16 10 times 50 is _____.

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

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

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

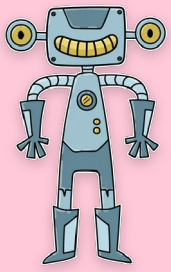
20 The 5 in 50,000 is worth _____ times the 5 in 5,000.

Art © Kevin Coulston

MATH WORKSHEET · GRADE 5 · PLACE VALUE

Powers of Ten and Exponents

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



Name: _____ **Date:** _____

1 $9 \times 10^3 =$ _____

2 $10^1=$ _____

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

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

5 $9 \times 10^2 =$ _____

6 $3 \times 10^4 =$ _____

7 $4 \times 10^4 =$ _____

8 $2 \times 10^1 =$ _____

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

10 $6 \times 10^4 =$ _____

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

12 $3 \times 10^1 =$ _____

13 $10^4 =$ _____

14 $2 \times 10^2 =$ _____

15 $10^2 =$ _____

16 $10^3 =$ _____

17 $8 \times 10^1 =$ _____

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

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

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

21 $5 \times 10^4 =$ _____

22 $200 \div 10^1 =$ _____

23 $900 \div 10^1 =$ _____

24 $8 \times 10^2 =$ _____

Art © Kevin Coulston

MATH WORKSHEET · GRADE 5 · PLACE VALUE

Round Decimals

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

Name: _____ **Date:** _____



Decimal	Nearest whole number	Nearest tenth	Nearest hundredth
2.355			
40.445			
42.552			
8.275			
27.196			
3.996			
45.443			
27.615			
4.967			
46.258			
43.428			
46.119			

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

Art © Kevin Coulston

MATH WORKSHEET · GRADES 1–2 · WORD PROBLEMS

How Many More? How Many Fewer?



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

Name: _____ **Date:** _____

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

Answer: _____ **shells**

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

Answer: _____ **points**

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

Answer: _____ **girls**

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

Answer: _____ **cars**

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

Answer: _____ **apples**

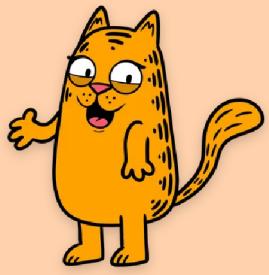
6 A blue fish is 14 inches long. A green fish is 9 inches long. How much longer is the blue fish?

Answer: _____ **inches**

Art © Kevin Coulston

MATH WORKSHEET · GRADES 1–2 · WORD PROBLEMS

Missing Start and Change Word Problems



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

Name: _____ **Date:** _____

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: _____ 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: _____ 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: _____ kids

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

Answer: _____ beads

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

Answer: _____ 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: _____ pages

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MATH WORKSHEET · GRADES 2–3 · WORD PROBLEMS

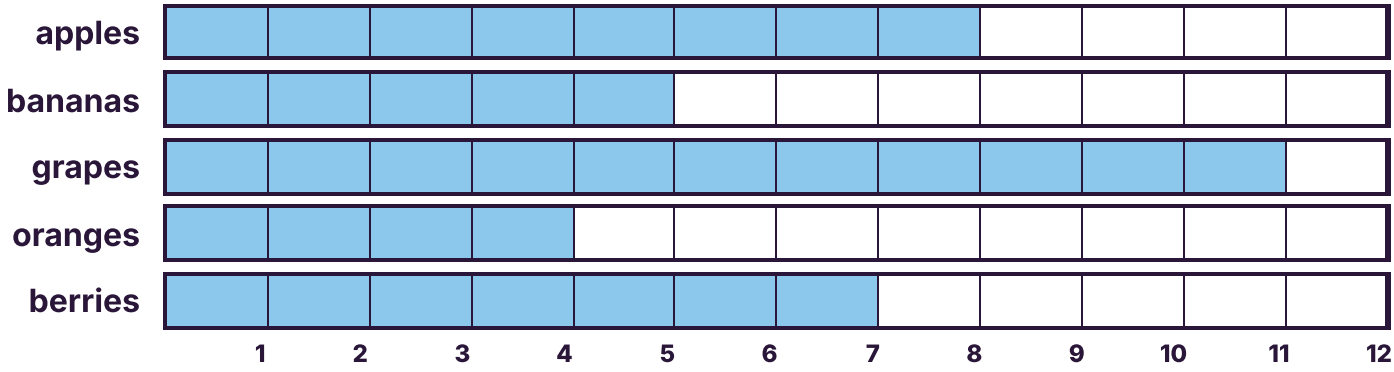
Bar Graph Word Problems

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

Name: _____ **Date:** _____



Our Favorite Fruit



1 How many kids chose grapes?

_____ **kids**

2 Which fruit got the fewest votes?

_____

3 Which fruit got the most votes?

_____

4 How many more kids chose apples than bananas?

_____ **kids**

5 How many kids chose bananas or oranges?

_____ **kids**

6 How many kids voted in all?

_____ **kids**

Art © Kevin Coulston

MATH WORKSHEET · GRADES 2–3 · WORD PROBLEMS

Word Problems with Extra Information



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

Name: _____ **Date:** _____

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

Answer: _____ **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: _____ **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: _____ **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: _____ **muffins**

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

Answer: _____

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: _____ **chairs**

Art © Kevin Coulston

MATH WORKSHEET · GRADES 2–4 · WORD PROBLEMS

Time Word Problems

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

Name: _____ **Date:** _____



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

Answer: _____

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

Answer: _____ **hours**

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

Answer: _____ **minutes**

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

Answer: _____

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

Answer: _____ **minutes**

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

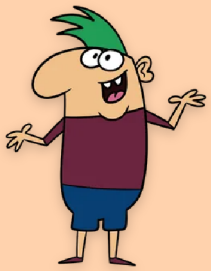
Answer: _____

Art © Kevin Coulston

MATH WORKSHEET · GRADES 3–4 · WORD PROBLEMS

Write an Equation with a Letter

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



Name: _____ **Date:** _____

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

Answer: _____

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

Answer: _____

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

Answer: _____

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

Answer: _____

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: _____

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

Answer: _____

Art © Kevin Coulston

MATH WORKSHEET · GRADES 3–4 · WORD PROBLEMS

Area and Perimeter Word Problems

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

Name: _____ **Date:** _____



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

Answer: _____ square feet

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

Answer: _____ feet

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

Answer: _____ 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: _____ meters

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

Answer: _____ 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: _____

Art © Kevin Coulston

MATH WORKSHEET · GRADES 4–5 · WORD PROBLEMS

Multi-Step Word Problems: All Four Operations



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

Name: _____ **Date:** _____

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

Answer: _____ 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: _____ 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: _____

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

Answer: _____ 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: _____ boxes

Art © Kevin Coulston

MATH WORKSHEET · GRADE 5 · WORD PROBLEMS

Decimal Word Problems

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

Name: _____ **Date:** _____



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

Answer: _____

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

Answer: _____ **meters**

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

Answer: _____ **miles**

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

Answer: _____

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

Answer: _____ **pounds**

Art © Kevin Coulston

MATH WORKSHEET · GRADE 5 · WORD PROBLEMS

Volume Word Problems

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

Name: _____ **Date:** _____



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

Answer: _____ **cubic centimeters**

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

Answer: _____ **cubic inches**

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

Answer: _____ **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: _____ **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?

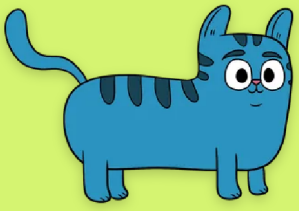
Answer: _____ **cubic feet**

Art © Kevin Coulston

MATH WORKSHEET · GRADES 1–2 · TELLING TIME

AM or PM?

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



Name: _____ **Date:** _____

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)

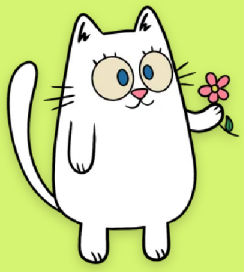
Art © Kevin Coulston

MATH WORKSHEET · GRADE 1 · TELLING TIME

Yesterday, Today and Tomorrow

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

Name: _____ **Date:** _____



Days of the week

Sunday Monday Tuesday Wednesday Thursday Friday Saturday

1 What day is 2 days before Saturday? _____

2 What day is 2 days before Tuesday? _____

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

4 What day is 3 days after Saturday? _____

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

6 Today is Saturday. What day was yesterday? _____

7 What day is 3 days after Friday? _____

8 What day is 3 days before Tuesday? _____

9 What day is 2 days after Saturday? _____

10 Today is Monday. What day was yesterday? _____

11 What day is 2 days after Wednesday? _____

12 Today is Tuesday. What day was yesterday? _____

Art © Kevin Coulston

MATH WORKSHEET · GRADES 1–2 · TELLING TIME

Months of the Year: Order and Count

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

Name: _____ **Date:** _____



1 January	2 February	3 March	4 _____
5 May	6 _____	7 July	8 _____
9 September	10 _____	11 _____	12 December

Which month comes right after May? _____

Which month comes right before June? _____

What is the first month of the year? _____

What is month number 7? _____

Which month is 2 months after December? _____

How many months are in a year? _____

Art © Kevin Coulston

MATH WORKSHEET · GRADES 1–2 · TELLING TIME

Seconds, Minutes or Hours?

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

Name: _____ **Date:** _____



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

MATH WORKSHEET · GRADES 1–2 · TELLING TIME

Right Time or Wrong Time?

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

Name: _____ **Date:** _____



1



3:10 ✓ ×

_____

2



3:40 ✓ ×

_____

3



1:20 ✓ ×

_____

4



4:25 ✓ ×

_____

5



8:00 ✓ ×

_____

6



11:55 ✓ ×

_____

7



9:50 ✓ ×

_____

8



12:55 ✓ ×

_____

9



12:40 ✓ ×

_____

10



11:45 ✓ ×

_____

11



3:00 ✓ ×

_____

12



1:30 ✓ ×

_____

Art © Kevin Coulston

MATH WORKSHEET · GRADES 2–3 · TELLING TIME

Draw the Time to Five Minutes

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

Name: _____ **Date:** _____



1



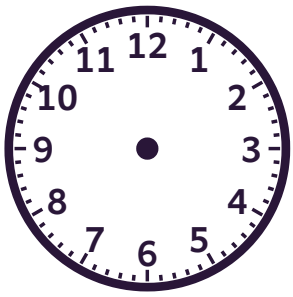
4:45

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

MATH WORKSHEET · GRADES 2–3 · TELLING TIME

Time in Words

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

Name: _____ **Date:** _____



1 twenty past one _____

2 twenty-five past five _____

3 twenty to twelve _____

4 five to five _____

5 nine o'clock _____

6 quarter past seven _____

7 twenty to four _____

8 twenty past three _____

9 five past eight _____

10 quarter to twelve _____

11 twenty-five past ten _____

12 quarter to four _____

13 half past seven _____

14 quarter past nine _____

15 twenty past six _____

16 half past nine _____

Art © Kevin Coulston

MATH WORKSHEET · GRADES 3–4 · TELLING TIME

Read a Daily Schedule

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

Name: _____ **Date:** _____



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?

_____

What comes right after snack?

_____

How long is swimming?

_____

How long is lunch?

_____

How long is the nature hike?

_____

What is happening at 11:20?

_____

How long are the games?

_____

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

_____

Art © Kevin Coulston

MATH WORKSHEET · GRADES 3–4 · TELLING TIME

Find the Start Time

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



Name: _____ **Date:** _____

1 End time



It ended at _____

It took **40 minutes.**

It started at _____

2 End time



It ended at _____

It took

1 hour 30 minutes.

It started at _____

3 End time



It ended at _____

It took **50 minutes.**

It started at _____

4 End time



It ended at _____

It took **1 hour.**

It started at _____

5 End time



It ended at _____

It took **30 minutes.**

It started at _____

6 End time



It ended at _____

It took **50 minutes.**

It started at _____

Art © Kevin Coulston

MATH WORKSHEET · GRADES 3–4 · TELLING TIME

Draw the Time to the Minute

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

Name: _____ **Date:** _____



1



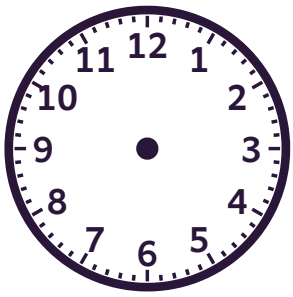
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2



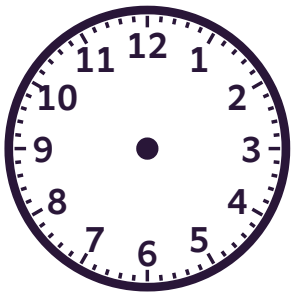
6:38

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



1:57

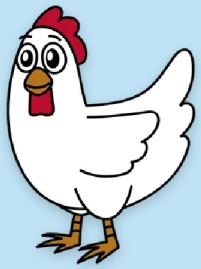
Art © Kevin Coulston

MATH WORKSHEET · GRADE 1 · MONEY

Count Pennies, Nickels and Dimes

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

Name: _____ **Date:** _____



1



Total: ☐

2



Total: ☐

3



Total: ☐

4



Total: ☐

5



Total: ☐

6



Total: ☐

7



Total: ☐

8

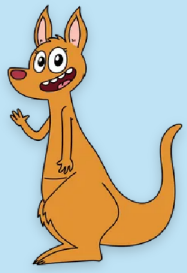


Total: ☐

Art © Kevin Coulston

MATH WORKSHEET · GRADES 1–2 · MONEY

Coin Riddles



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

Name: _____ **Date:** _____

1 I have three coins. Together they make 36¢. What coins do I have? _____

2 I have two coins. Together they make 11¢. What coins do I have? _____

3 I have four coins. Together they make 21¢. What coins do I have? _____

4 I have two coins. Together they make 30¢. What coins do I have? _____

5 I have five coins. Together they make 51¢. What coins do I have? _____

6 I have two coins. Together they make 35¢. What coins do I have? _____

7 I have three coins. Together they make 31¢. What coins do I have? _____

8 I have five coins. Together they make 75¢. What coins do I have? _____

Art © Kevin Coulston

MATH WORKSHEET · GRADES 1–2 · MONEY

Can You Buy It?

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

Name: _____ **Date:** _____



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

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

3 ○ 17¢ — ONE DIME, ONE DIME, ONE CENT — You have ☐ yes no

4 ○ 58¢ — QUARTER DOLLAR, ONE DIME — You have ☐ yes no

5 ○ 44¢ — QUARTER DOLLAR, ONE DIME, ONE DIME, ONE CENT — You have ☐ yes no

6 ○ 40¢ — QUARTER DOLLAR, ONE CENT, ONE CENT, ONE CENT — You have ☐ yes no

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

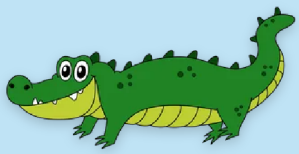
8 ○ 54¢ — QUARTER DOLLAR, QUARTER DOLLAR, ONE CENT, ONE CENT — You have ☐ yes no

Art © Kevin Coulston

MATH WORKSHEET · GRADE 2 · MONEY

Show the Amount Two Ways

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



Name: _____ **Date:** _____

1

27¢

Fewest coins

Another way

2

50¢

Fewest coins

Another way

3

31¢

Fewest coins

Another way

4

38¢

Fewest coins

Another way

5

58¢

Fewest coins

Another way

6

42¢

Fewest coins

Another way

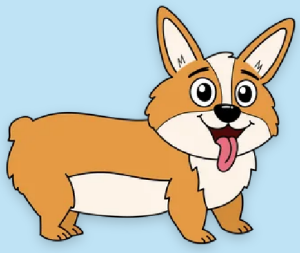
Art © Kevin Coulston

MATH WORKSHEET · GRADES 2–3 · MONEY

Half Dollars and Dollar Coins

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

Name: _____ **Date:** _____



New coins



half dollar

50¢



dollar coin

$1.00



quarter

25¢



dime

10¢

1



Total: _____

2



Total: _____

3



Total: _____

4



Total: _____

5



Total: _____

6



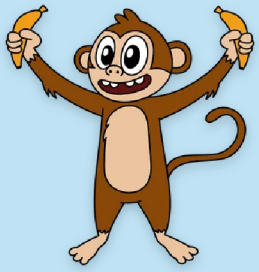
Total: _____

Art © Kevin Coulston

MATH WORKSHEET · GRADES 2–3 · MONEY

Write Money Amounts

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



Name: _____ **Date:** _____

1 eight dollars and sixty-two cents = _____

2 $9.33 = _____

3 seven dollars and eighty-nine cents = _____

4 $4.61 = _____

5 five dollars and fifty-five cents = _____

6 $4.81 = _____

7 one dollar and forty-eight cents = _____

8 $2.34 = _____

9 one dollar and ten cents = _____

10 $5.27 = _____

11 three dollars and thirty cents = _____

12 $1.68 = _____

Art © Kevin Coulston

MATH WORKSHEET · GRADES 2–3 · MONEY

Price Tags: Add Two Things

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

Name: _____ **Date:** _____

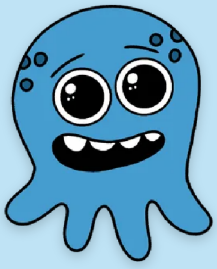


1	$3.11	+	$4.65	=		
2	$1.41	+	$3.55	=		
3	$1.34	+	$4.83	=		
4	$1.74	+	$3.94	=		
5	$1.67	+	$2.74	=		
6	$1.24	+	$3.51	=		
7	$1.41	+	$1.30	=		
8	$1.46	+	$4.08	=		

Art © Kevin Coulston

MATH WORKSHEET · GRADES 3–4 · MONEY

Make Change from $5, $10 and $20



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

Name: _____ **Date:** _____

You buy	Price	You pay	Your change
a yo-yo	**$7.13**	$10.00	
a lunch box	**$5.23**	$10.00	
a hat	**$3.85**	$10.00	
a paint set	**$16.11**	$20.00	
a T-shirt	**$3.29**	$5.00	
a bag of apples	**$17.48**	$20.00	
a toy truck	**$16.05**	$20.00	
a ball	**$8.26**	$10.00	
a puzzle	**$9.32**	$20.00	
a book	**$4.55**	$10.00	

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

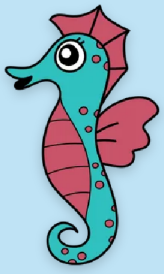
Art © Kevin Coulston

MATH WORKSHEET · GRADES 3–4 · MONEY

Round Money to the Nearest Dollar

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

Name: _____ **Date:** _____



1 $10.37 rounds to _____

2 $15.77 rounds to _____

3 $11.29 rounds to _____

4 $4.01 rounds to _____

5 $16.74 rounds to _____

6 $6.41 rounds to _____

7 $15.56 rounds to _____

8 $9.31 rounds to _____

9 $10.13 rounds to _____

10 $16.18 rounds to _____

11 $19.26 rounds to _____

12 $15.31 rounds to _____

13 $5.13 rounds to _____

14 $9.40 rounds to _____

15 $11.28 rounds to _____

16 $11.13 rounds to _____

17 Estimate: $2.16 + $8.00 ≈ _____

18 Estimate: $4.96 + $7.26 ≈ _____

19 Estimate: $3.31 + $2.12 ≈ _____

20 Estimate: $5.80 + $5.48 ≈ _____

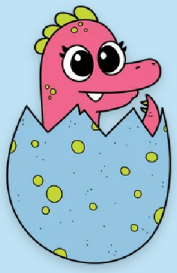
Art © Kevin Coulston

MATH WORKSHEET · GRADE 4 · MONEY

Multiply and Divide Money

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

Name: _____ **Date:** _____



1 5 × $2.50 = _____

2 2 × $4.20 = _____

3 $6.72 ÷ 6 = _____

4 $10.25 ÷ 5 = _____

5 4 × $2.65 = _____

6 $5.10 ÷ 6 = _____

7 $9.96 ÷ 4 = _____

8 4 × $4.35 = _____

9 $6.42 ÷ 3 = _____

10 4 × $1.40 = _____

11 $5.02 ÷ 2 = _____

12 $4.14 ÷ 6 = _____

13 6 × $1.90 = _____

14 5 × $4.40 = _____

15 $7.00 ÷ 4 = _____

16 4 × $1.65 = _____

17 5 × $1.30 = _____

18 $10.00 ÷ 4 = _____

19 6 × $2.00 = _____

20 $3.16 ÷ 4 = _____

Art © Kevin Coulston

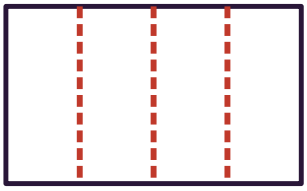
ANSWER KEY · FRACTIONS · FOR GROWN-UPS

Answer Key: Split Shapes into Equal Parts

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

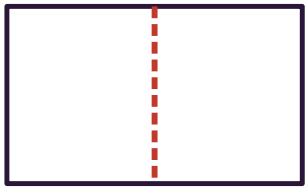


1



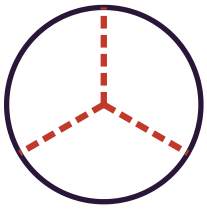
fourths

2



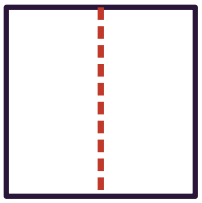
halves

3



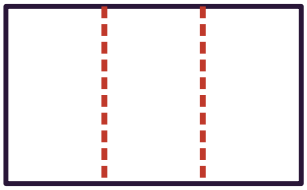
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4



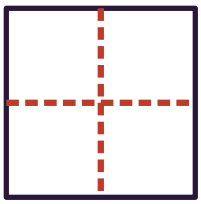
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5



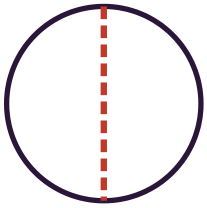
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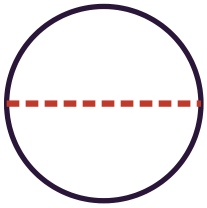
fourths

7



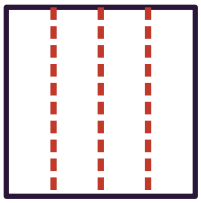
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8



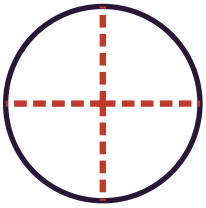
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9



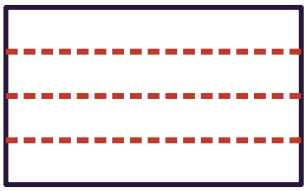
fourths

10



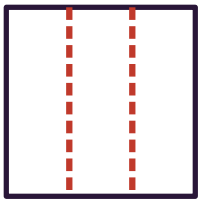
fourths

11



fourths

12



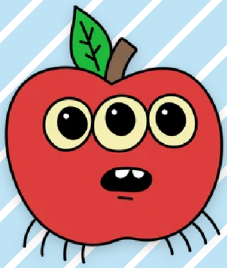
thirds

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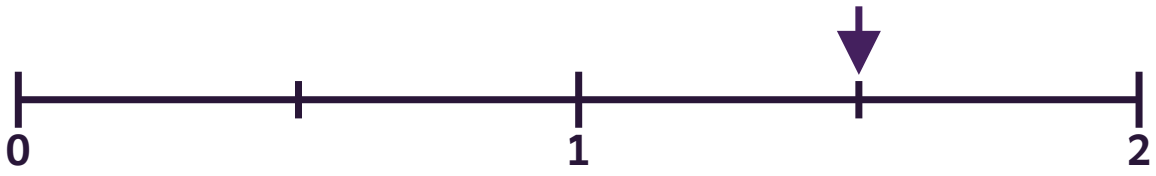
ANSWER KEY · FRACTIONS · FOR GROWN-UPS

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!

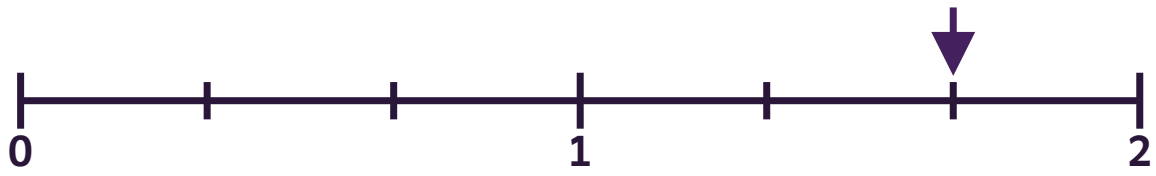


1



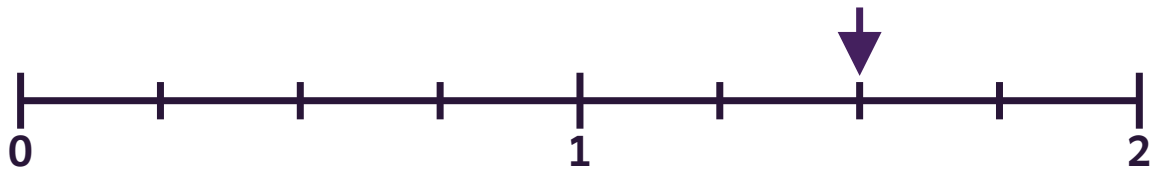
$\frac{3}{2}$

2



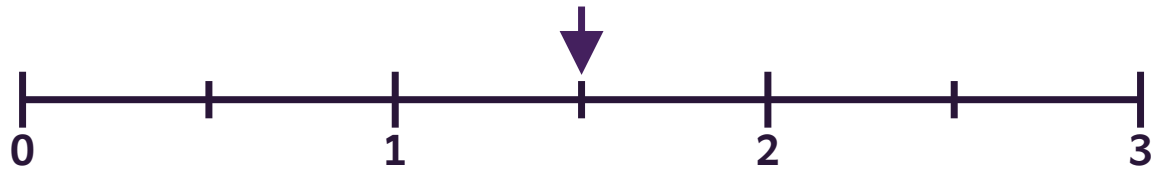
$\frac{5}{3}$

3



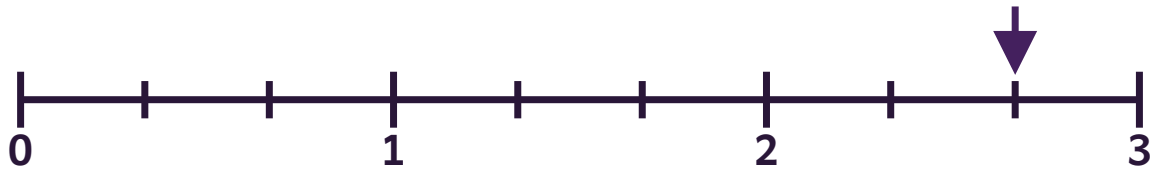
$\frac{6}{4}$

4



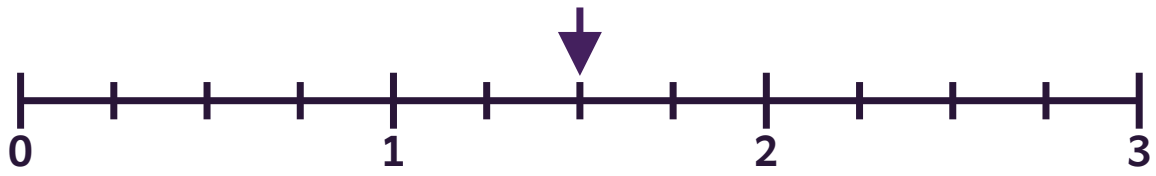
$\frac{3}{2}$

5



$\frac{8}{3}$

6



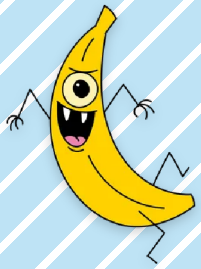
$\frac{6}{4}$

Art © Kevin Coulston

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.

Art © Kevin Coulston

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

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

Art © Kevin Coulston

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

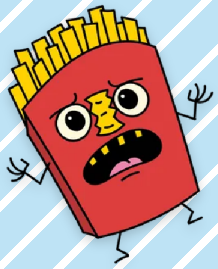
Write every answer in simplest form. Use the whole number box for a mixed number.

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

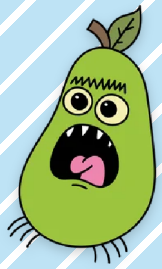
Write every answer in simplest form. Use the whole number box for a mixed number.

Art © Kevin Coulston

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

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

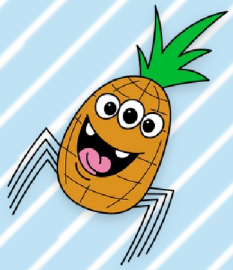
Write every answer in simplest form. Use the whole number box for a mixed number.

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

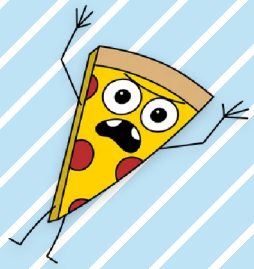
Write every answer in simplest form.

Art © Kevin Coulston

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

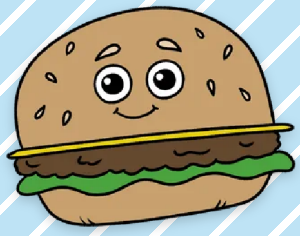
Write every answer in simplest form.

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 $\frac{5}{9}$

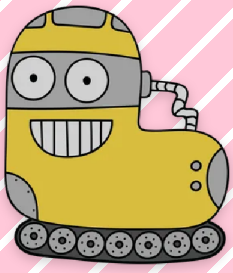
less | equal | **more**

Art © Kevin Coulston

ANSWER KEY · PLACE VALUE · FOR GROWN-UPS

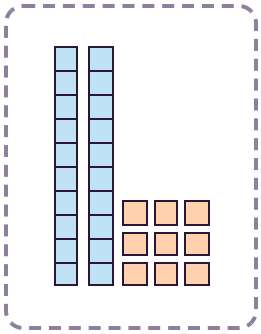
Answer Key: Draw Tens and Ones

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



1

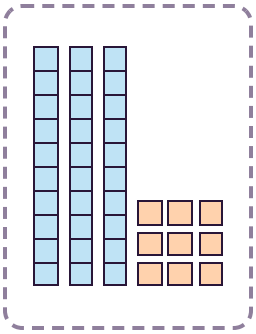
29



2 tens
9 ones

2

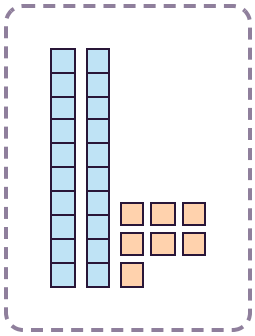
39



3 tens
9 ones

3

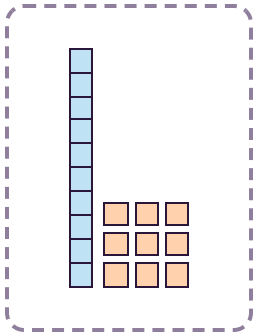
27



2 tens
7 ones

4

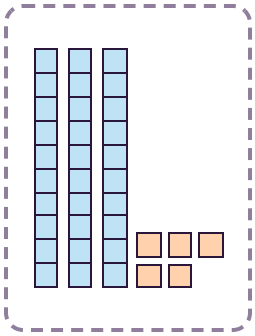
19



1 tens
9 ones

5

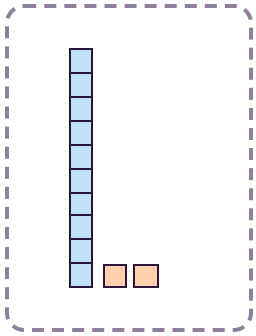
35



3 tens
5 ones

6

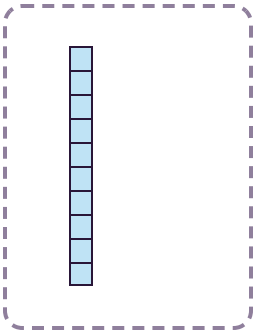
12



1 tens
2 ones

7

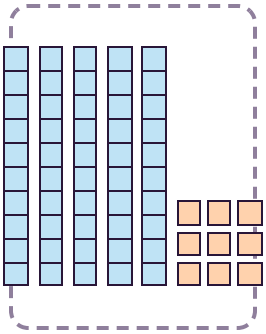
10



1 tens
0 ones

8

59



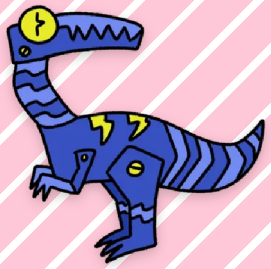
5 tens
9 ones

Art © Kevin Coulston

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.



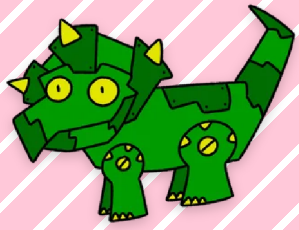
Number	Tens and ones	Break 1 ten	Break 2 tens
98	9 tens 8 ones	8 tens **18** ones	7 tens **28** ones
99	9 tens 9 ones	8 tens **19** ones	7 tens **29** ones
53	5 tens 3 ones	4 tens **13** ones	3 tens **23** ones
69	6 tens 9 ones	5 tens **19** ones	4 tens **29** ones
42	4 tens 2 ones	3 tens **12** ones	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.

Art © Kevin Coulston

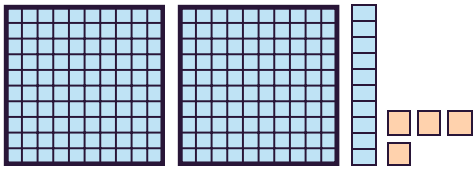
ANSWER KEY · PLACE VALUE · FOR GROWN-UPS

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.

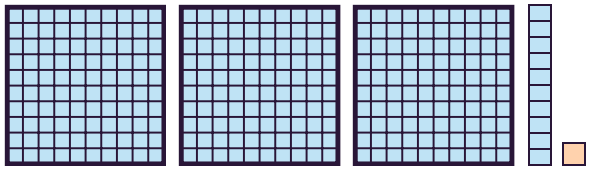
1



2 hundreds 1 tens 4 ones =

214

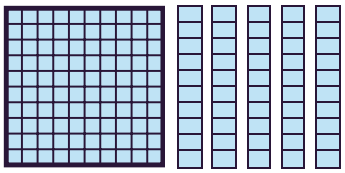
2



3 hundreds 1 tens 1 ones =

311

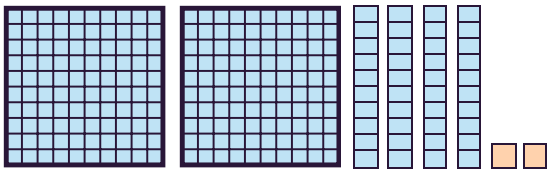
3



1 hundreds 5 tens 0 ones =

150

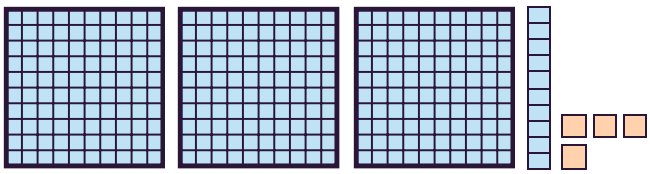
4



2 hundreds 4 tens 2 ones =

242

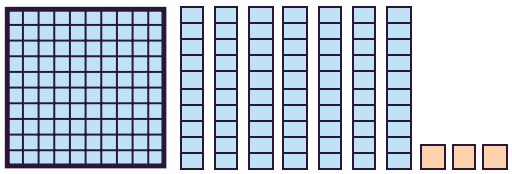
5



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.



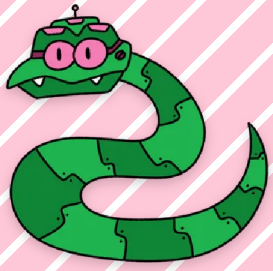
by 10s	7	17	27	37	47	57	67	77
by 10s	23	33	43	53	63	73	83	93
by 10s	156	166	176	186	196	206	216	226
by 10s	382	392	402	412	422	432	442	452
by 100s	100	200	300	400	500	600	700	800
by 100s	40	140	240	340	440	540	640	740
by 100s	215	315	415	515	615	715	815	915
by 10s	940	950	960	970	980	990	1,000	1,010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

Art © Kevin Coulston

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



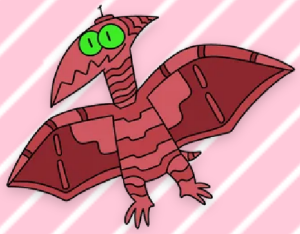
779 rounds to 800

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

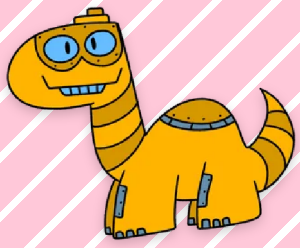
Commas split a number into groups of three: millions, thousands and ones.

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

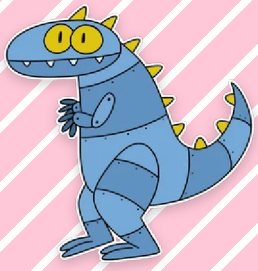
11. 844,003 843,186 523,787 → 523,787 < 843,186 < 844,003
12. 857,469 353,198 857,968 → 353,198 < 857,469 < 857,968
13. 424,611 920,942 423,152 → 423,152 < 424,611 < 920,942
14. 322,553 322,984 211,989 → 211,989 < 322,553 < 322,984
15. 771,931 290,947 771,158 → 290,947 < 771,158 < 771,931
16. 975,133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

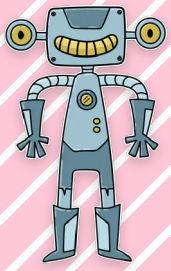
20 The 5 in 50,000 is worth 10 times the 5 in 5,000.

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).

Art © Kevin Coulston

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?

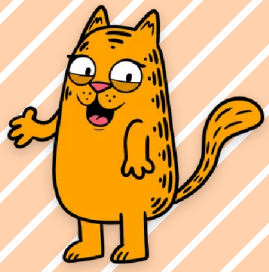
Answer: 5 inches

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**

Art © Kevin Coulston

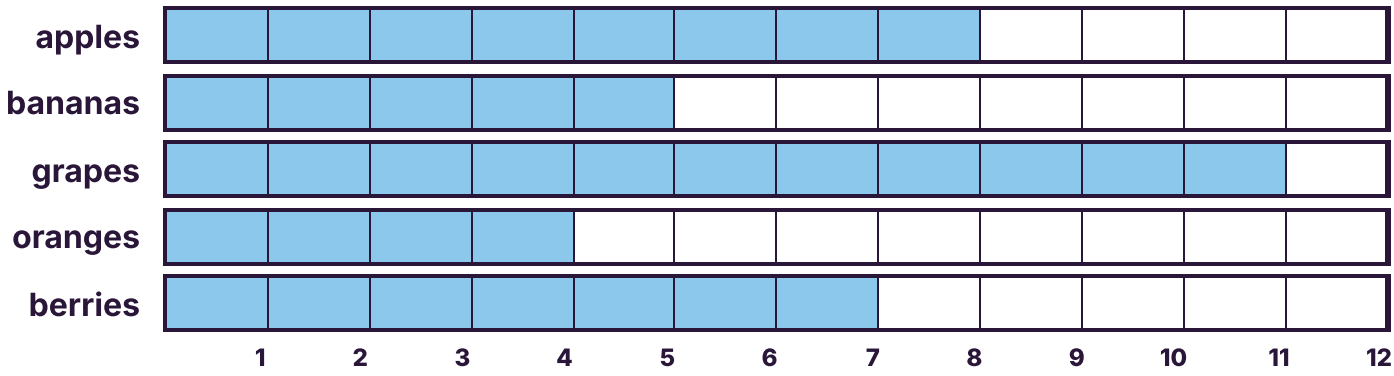
ANSWER KEY · WORD PROBLEMS · FOR GROWN-UPS

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?

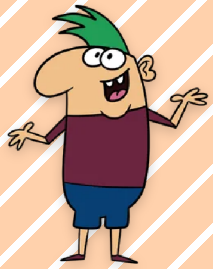
Answer: 8:15

Art © Kevin Coulston

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?

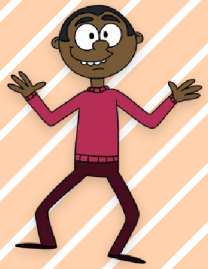
Answer: 7 **boxes**

Art © Kevin Coulston

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?

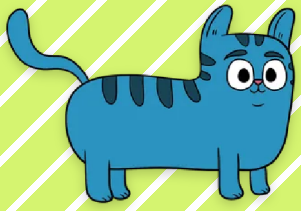
Answer: 24 **cubic feet**

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

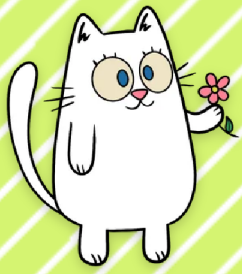
Eat dinner at 6:00 — AM **PM**

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



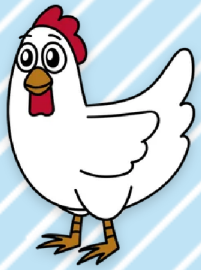
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ANSWER KEY · MONEY · FOR GROWN-UPS

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**

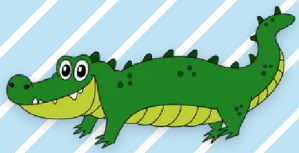
7 ○ 26¢ — QUARTER DOLLAR, ONE DIME, FIVE CENTS, FIVE CENTS — You have 45¢ — **yes** / no

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

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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¢**

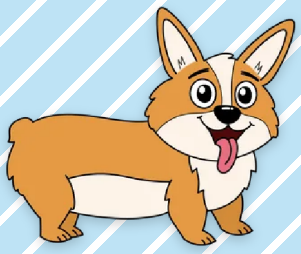
Fewest coins	Q	D	N	P	P			
Another way	D	D	D	N	N	P	P	

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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

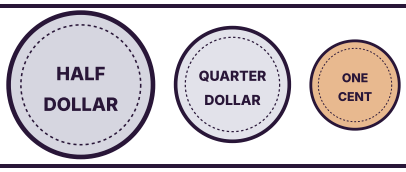
25¢



dime

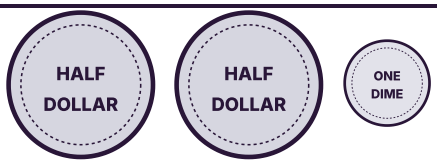
10¢

1



Total: $0.76

2



Total: $1.10

3



Total: $1.51

4



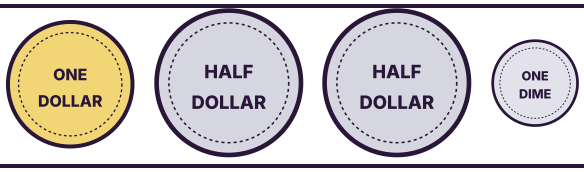
Total: $2.31

5



Total: $2.05

6



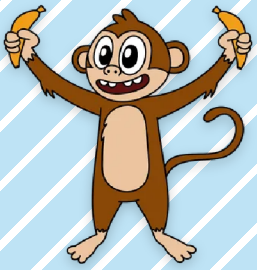
Total: $2.10

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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

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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

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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**

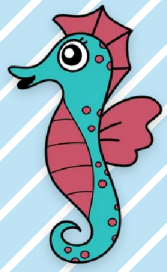
Count up: from $6.35, 65¢ more makes $7.00, then $3.00 more makes $10.00. Your change is $3.65.

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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**

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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

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