

3rd Grade Math Practice Packet

An Education.com Collection by
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Table of Contents

Units of Measurement Practice Test
Drawing Congruent Shapes
Subtraction Fact Word Problems
Lines, Line Segments, and Rays
Properties of Multiplication: Associative
Geometry Basics: Perimeter
Isosceles Triangles
How Much Time Has Gone By?
Decimal Subtraction
Writing Out Numbers
Measurement Mania #4: Aquarium Fun
Adding Fractions
Practice Reading Lengths
Find the Figure
Math-Go-Round: Division (Medium)
Find the Missing Factors
Logic Puzzle Fun #1
Division: Finding the Quotient!
Fill the Grid: Square Numbers
Addition Word Problems: Add It Up!
Place Value Practice: Thousandths
Identifying Hexagons
Identifying Octagons
Geometry: Name That Angle!
Units of Measurement: Inches, Feet and Yards
Types of Angles
Crazy Coconut Fractions
Geometry: Counting Volume
Find the Perimeter
How Much Change?
Division Word Problems: Divide 'Em Up!
Rounding: Round 'Em Up!
Snail Division
Multiplication Color by Number: Butterfly 4
Math-Go-Round: Expert
Coral Reef: Three-Digit Addition with Regrouping
Multiplication Color by Number: Parrot 5
Multiplying by Seven
Multiplying by Nine
Two-Digit Multiplication

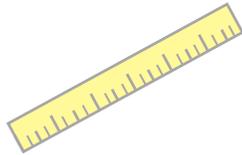
Measurement Review

Fill in the circle next to the correct answer.

1. _____

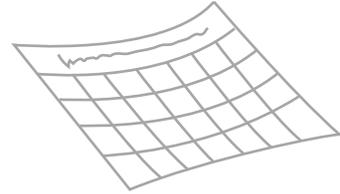
The line above measures

- a) 1 in.
- b) 4 cm.
- c) 3 cm.
- d) $1\frac{1}{2}$ in.



7. How many days are in May and June together?

- a) 60
- b) 59
- c) 62
- d) 61



2. 1 lb. of feathers equals

- a) 10 oz.
- b) 16 oz.
- c) 16 g.
- d) 10 g.

8. How many days are in two non-leap years?

- a) 730
- b) 732
- c) 731
- d) 728

3. 14 pints equals

- a) 7 quarts
- b) 26 cups
- c) 7 gallons
- d) 6 quarts



9. How many minutes are in 8 hours?

- a) 540
- b) 480
- c) 560
- d) 420

4. 1 liquid oz. equals about

- a) 3 ml.
- b) 60 ml.
- c) 30 ml.
- d) 1 liter

10. How many hours are in 1 week?

- a) 120
- b) 168
- c) 144
- d) 192

5. A liter equals a little more than

- a) 1 cup
- b) 2 cups
- c) 4 pints
- d) 1 quart

11. How many minutes are in 12 hours?

- a) 720
- b) 240
- c) 600
- d) 480

6. 5 Tons equals

- a) 1,000 lbs.
- b) 10,000 lbs.
- c) 4,000 kg.
- d) 10,000 kg.



12. What is the elapsed time between 1:30 p.m. and 3:48 p.m.?

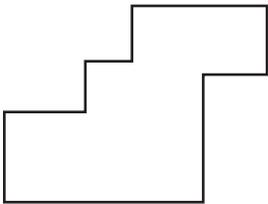
- a) 2 hours, 28 min.
- b) 3 hours, 18 min.
- c) 2 hours, 18 min.
- d) 3 hours, 28 min.



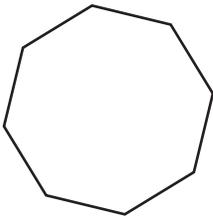
Drawing Congruent Shapes

If two shapes are the same in size and in shape, they are congruent.
If two shapes look the same, but are different in size, they are similar, but not congruent.

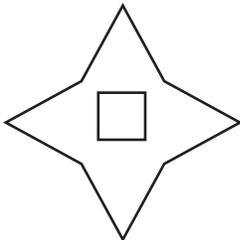
Look at the shapes on the left. Follow the directions.



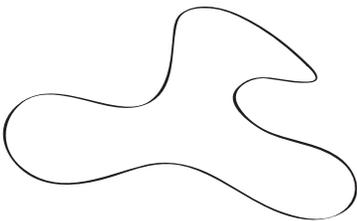
Draw a congruent shape.



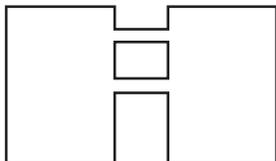
Draw a similar shape.



Draw a congruent shape.



Draw a completely different shape.



Draw a similar shape.

Subtraction Word Problems

Name _____ Date _____

Write and solve a subtraction equation for each problem.

1. Mrs. Rodriguez bought a nine-pack of chips. Her son Joe and his friends ate four packs. How many are left?

$$\underline{9} - \underline{4} = \underline{5}$$

2. To make dinner, Mrs. Rodriguez used eight of the twelve potatoes in a bag. How many are left?

$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

3. Pork chops were on sale, so Mrs. Rodriguez bought seventeen. She froze nine for another day and cooked the rest. How many pork chops did she cook?

$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

4. Mrs. Rodriguez had sixteen apples. She used nine to make a pie. How many apples are left?

$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

5. The next morning, Mrs. Rodriguez scrambled seven of her dozen eggs. How many eggs are left?

$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

6. Mrs. Rodriguez also toasted six of the thirteen slices of bread in a package. How many slices are left?

$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

7. Mrs. Rodriguez cut a pineapple into fifteen pieces. Her family ate six. How many pieces are left?

$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

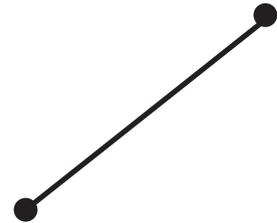
8. A carton of juice held fourteen servings. The Rodriguez family drank five. How many servings are left?

$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

Lines, Line Segments, and Rays

A line is a path that extends in two directions with no end.
A line segment is a path that has two fixed end points.
A ray is a path that has one end point and extends infinitely in the other direction.

Look at the pictures below. Label them whether they are lines, line segments, or rays.



Draw a line segment here.

Draw a ray here.

Draw a line here.

It's Associative!

One of the multiplication properties is *associative*, which means you can group the factors in a multiplication equation and still get the same product.

$$A \times (B \times C) = (A \times B) \times C$$

Find the missing number according to the associative property.

$$4 \times (3 \times 2) = (4 \times 3) \times \boxed{}$$

$$6 \times (2 \times 5) = (6 \times 2) \times \boxed{}$$

$$(20 \times 5) \times 11 = 20 \times (11 \times \boxed{})$$

Find the product of these numbers.

$$7 \times (2 \times 1) = \boxed{}$$

$$2 \times (7 \times 1) = \boxed{}$$

$$10 \times (3 \times 4) = 10 \times \boxed{} = \boxed{}$$

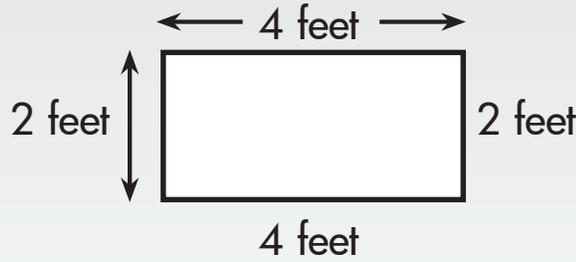
$$(10 \times 3) \times 4 = \boxed{} \times 4 = \boxed{}$$

When you group the factors differently, do the two equations have the same product?

Geometry: Perimeter

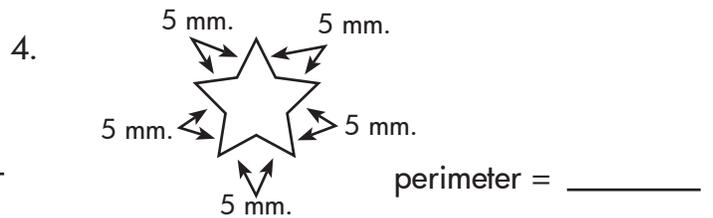
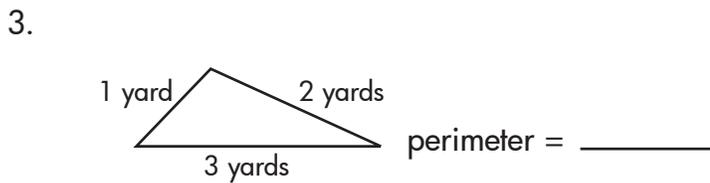
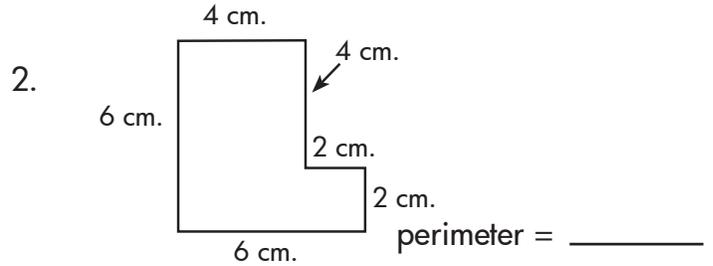
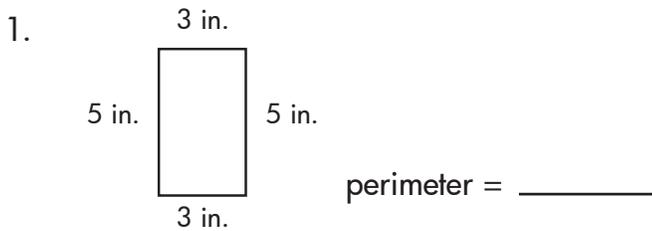
Name _____ Date _____

The **perimeter** of a polygon is the distance around it.



$$\begin{array}{r}
 4 \text{ feet} \\
 2 \text{ feet} \\
 4 \text{ feet} \\
 + 2 \text{ feet} \\
 \hline
 \text{perimeter} = 12 \text{ feet}
 \end{array}$$

Find the perimeter of each figure.



5. Sam's garden is a perfect square. Each side measures 8 feet.
What is the perimeter of his garden? _____

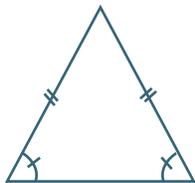
6. Leslie drew a triangle on the board. Each side measured 30 centimeters. What is the perimeter of the triangle? _____

7. What is the perimeter of a hexagon whose sides all equal 4 yards? _____

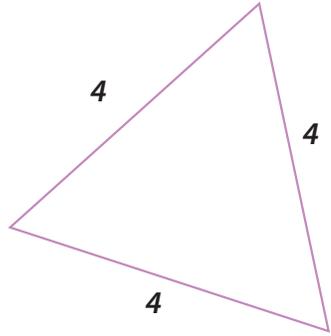
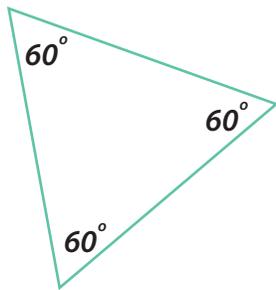
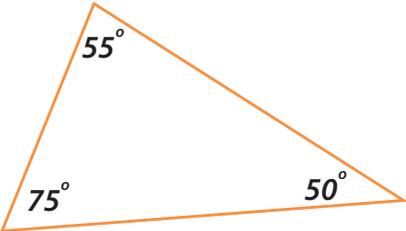
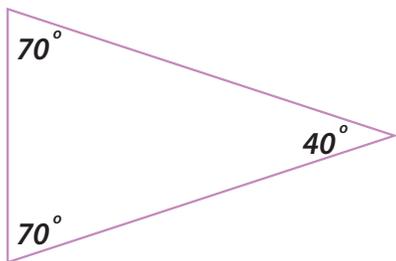
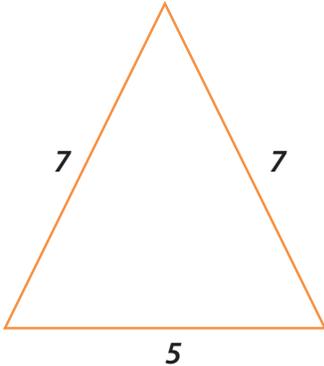
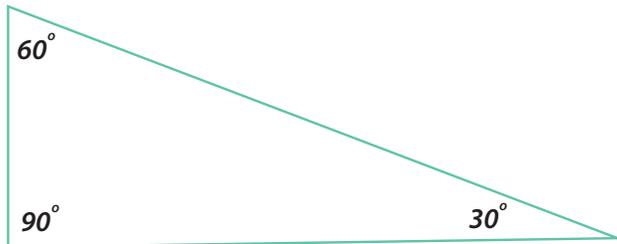
8. If two sides of a rectangular field are 2 km. wide, and two sides are 4 km. long, what is the perimeter of the field? _____

9. What is the perimeter of a decagon whose sides all equal 8 yards? _____

All About Isosceles Triangles



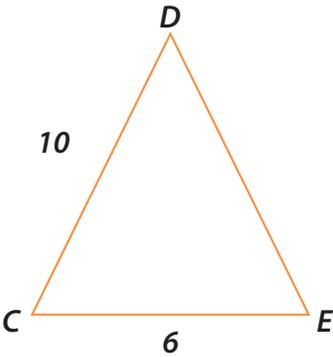
An isosceles triangle has 2 equal angles and 1 different angle. It also has 2 equal sides and 1 different side. Look at the triangles below. Color the isosceles triangles, then answer the questions.



1. Triangle JKL has 2 65 degree angles and 1 50 degree angle. Is it an isosceles triangle? Circle yes or no.

Yes No

2. Triangle CDE below is an isosceles triangle. Find the length of side DE.





Elapsed Time



How much time has elapsed, or passed from 1:15 p.m. to 5:28 p.m.?

$$\begin{array}{r}
 1:15 \text{ to } 2:00 = 45 \text{ minutes} \qquad 45 \\
 2:00 \text{ to } 5:00 = 3 \text{ hours or } 180 \text{ minutes} \qquad 180 \\
 5:00 \text{ to } 5:28 = 28 \text{ minutes} \qquad + 28 \\
 \hline
 253 \longrightarrow 253 \text{ minutes} = 6 \text{ hours, } 13 \text{ minutes}
 \end{array}$$

Find the elapsed time. If the sum is more than 60 minutes, write the time two ways.

1. 7:10 a.m. to 8:15 a.m.

$$\begin{array}{r}
 50 \\
 +15 \\
 \hline
 65 \text{ minutes} \\
 \text{or } 1 \text{ hour, } 5 \text{ minutes}
 \end{array}$$

6. 8:36 p.m. to 11:24 p.m.

2. 9:10 p.m. to 11:01 p.m.

7. 11:11 a.m. to 12:57 p.m.

3. 2:40 p.m. to 4:18 p.m.

8. 5:24 a.m. to 8:19 a.m.

4. 12:05 a.m. to 1:52 a.m.

9. 4:08 a.m. to 7:49 a.m.

5. 6:56 a.m. to 9:44 a.m.

10. 10:17 p.m. to 1:59 a.m.

Decimal Subtraction

Subtract the decimals. Show your work!

To **subtract decimals**, make sure that the decimal points line up. Subtract the numbers the same way you would in a normal equation. Carry the decimal point directly down into your answer!

$$\begin{array}{r} 5.6 \\ - 2.4 \\ \hline 3.2 \end{array}$$

$$\begin{array}{r} 6.4 \\ - 1.3 \\ \hline \end{array}$$

$$\begin{array}{r} 4.8 \\ - 1.9 \\ \hline \end{array}$$

$$\begin{array}{r} 3.98 \\ - 1.32 \\ \hline \end{array}$$

$$\begin{array}{r} 6.29 \\ - 2.12 \\ \hline \end{array}$$

$$\begin{array}{r} 5.82 \\ - 3.14 \\ \hline \end{array}$$

$$\begin{array}{r} 4.11 \\ - 1.23 \\ \hline \end{array}$$

$$\begin{array}{r} 3.24 \\ - 1.62 \\ \hline \end{array}$$

$$\begin{array}{r} 4.43 \\ - 1.15 \\ \hline \end{array}$$

$$\begin{array}{r} 7.65 \\ - 1.15 \\ \hline \end{array}$$

$$\begin{array}{r} 2.13 \\ - 1.09 \\ \hline \end{array}$$

$$\begin{array}{r} 5.26 \\ - 1.02 \\ \hline \end{array}$$





Write the number 48,567 using words.

What is the place value of the digit 3 in the number 526,310?

Write the number that has 2 hundred-thousands, 7 ten-thousands, 7 thousands, 5 hundreds, 3 tens, and 9 ones.

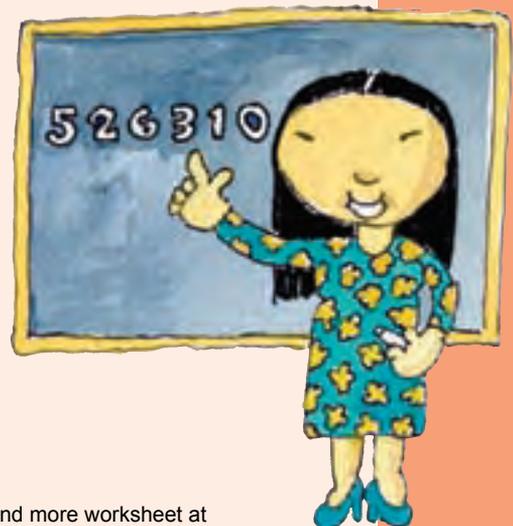
Which digit is in the hundreds place in the number 59,216?

Write the number seventy-five thousand, two hundred and twenty-two.

What is the place value of the digit 4 in the number 34,890?

Write the number four thousand, six hundred and one.

In the number 305,678, which digit is in the hundred-thousands place?



Math Skills

Place value

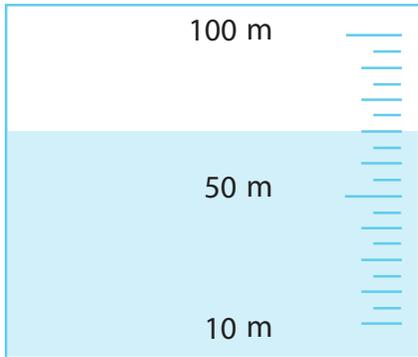
Aquarium Fun!

Practice Identifying Measurement

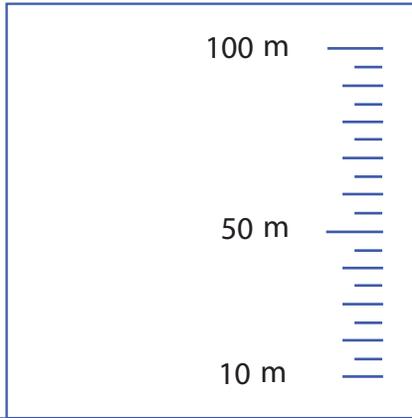
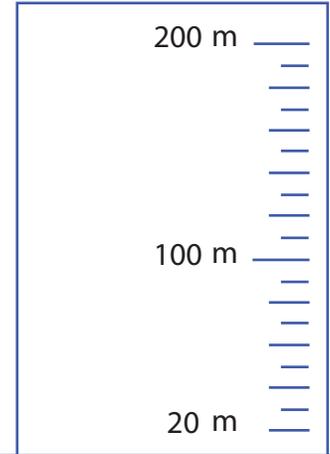
These sea animals live at the aquarium. How much water is needed to fill their tanks? Find the correct water mark, then color it in. See the example below.



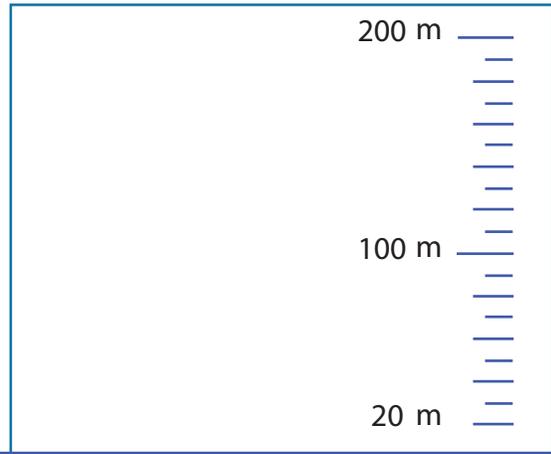
Sea turtle
70 meters



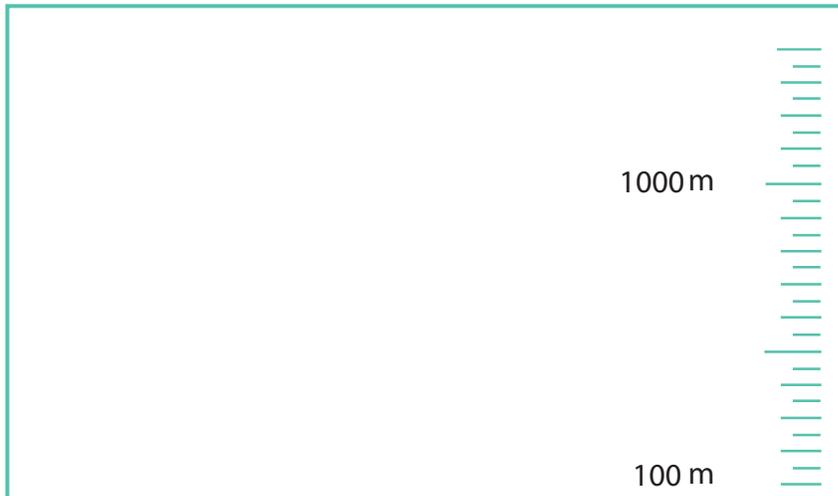
Octopus
120 meters



Starfish
85 meters



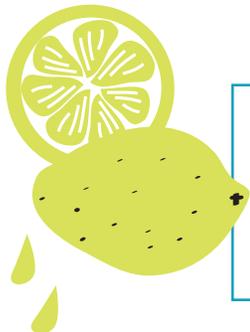
Seahorse
150 meters



Jellyfish
1250 meters

Adding Fractions with the same denominator

Write the sum of each fraction below. Remember: when adding fractions with the same denominator, simply add the numerators and keep the denominator the same.



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

numerator
denominator

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

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

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

$$\frac{7}{4} + \frac{8}{4} = \square$$

$$\frac{11}{9} + \frac{5}{9} = \square$$

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

$$\frac{10}{12} + \frac{12}{12} = \square$$

$$\frac{17}{22} + \frac{3}{22} = \square$$

$$\frac{22}{50} + \frac{15}{50} + \frac{17}{50} = \square$$

$$\frac{35}{100} + \frac{6}{100} + \frac{79}{100} + \frac{14}{100} = \square$$



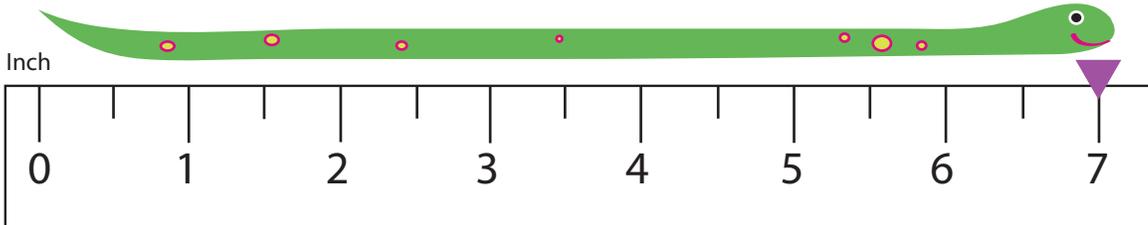
3rd
Grade

Length

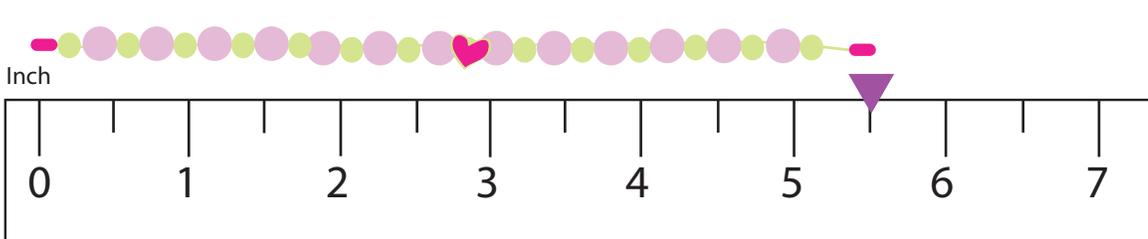
Practice Reading Measurement

Write the correct length in the box.

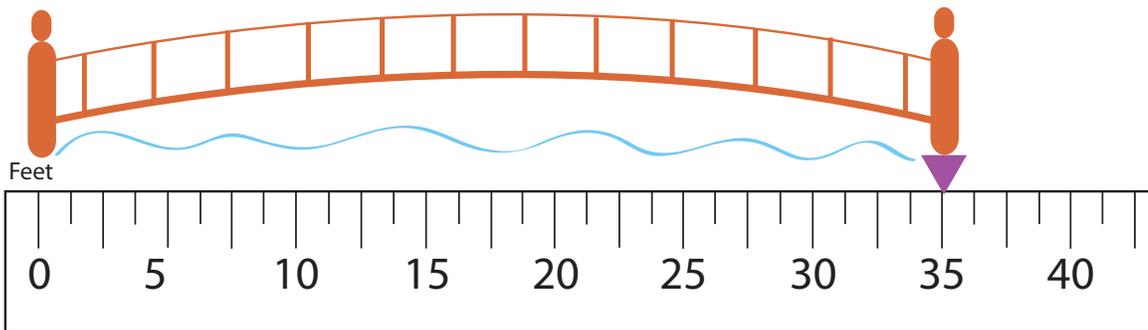
How long is the snake?



How long is the necklace?



How long is the bridge?



How long is the train?

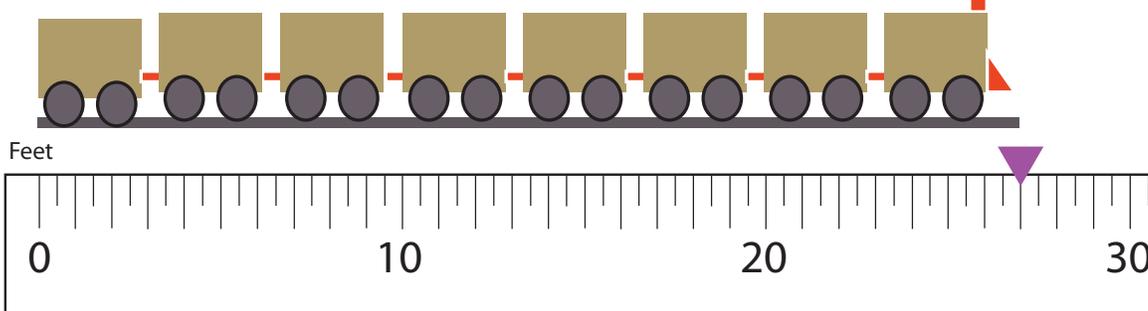


Figure This!

Read about each **solid figure**.

Three-dimensional, or 3-D, figures are also called **solid figures**.

- ★ The bottom of a solid figure is called the **base**.
- ★ The sides of a solid figure are called **faces**.



A **cube** is a solid figure with six equal square faces.



A **rectangular prism** is a solid figure with six rectangular faces.



A **sphere** is a round solid figure with all points at an equal distance from the center.

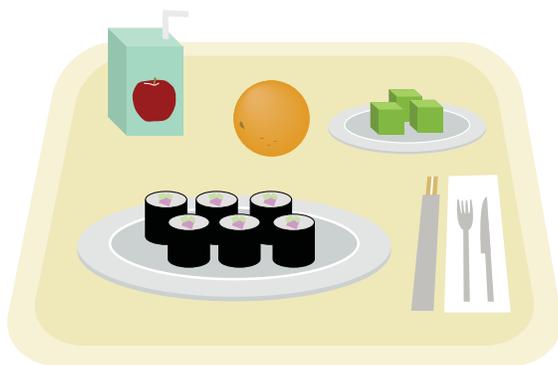


A **cone** is a solid figure that has a circular base and comes to a point at the top.



A **cylinder** is a solid figure with two equal circular bases.

Can you identify **four** solid figures in the drawing?



Math-Go-Round

Division | Difficulty: ★★☆☆

Find a friend and practice your division skills. Find two coins or game pieces and place them on the square labeled **START**. Choose one of the problems to solve and move your game piece clockwise around the board to that problem's answer.

Keep track of the number of corners you go around on each move. For each one, give yourself a point. The player with the most points at the end is the winner.

Keep score with the table below.

	Player 1	Player 2
Round 1		
Round 2		
Round 3		
Round 4		
Round 5		
Round 6		
Round 7		
Round 8		
Total	_____	_____

START +1 Point	13	16	14	9	+1 Point
37	$4 \overline{)96}$	$5 \overline{)65}$	$3 \overline{)45}$	$4 \overline{)68}$	18
24	$6 \overline{)48}$	$5 \overline{)70}$	$2 \overline{)74}$	$2 \overline{)56}$	19
8	$8 \overline{)80}$	$4 \overline{)72}$	$7 \overline{)84}$	$6 \overline{)96}$	15
12	$9 \overline{)81}$	$2 \overline{)58}$	$5 \overline{)95}$	$3 \overline{)78}$	10
+1 Point	29	17	26	28	+1 Point

Missing Factors

In some math problems, there are missing factors. To solve these problems, simply use the inverse operation to find the missing factor. Remember that multiplication and division are inverse operations.

For each problem below, find the missing factor and be sure to show your work.

$1) 4 \times \square = 12$

$5) \square \times 7 = 35$

$9) \square \times 5 = 35$

$2) \square \times 3 = 12$

$6) 7 \times \square = 14$

$10) 2 \times \square = 14$

$3) 6 \times \square = 42$

$7) 8 \times \square = 56$

$11) 7 \times \square = 56$

$4) 7 \times \square = 7$

$8) \square \times 6 = 30$

$12) \square \times 5 = 30$

In multiplication, any number multiplied by zero always equals zero. Likewise, when zero is multiplied by any number, the result is always zero.

For each problem below, multiply and write your response on the line provided.

$1) 5 \times 0 = \underline{\quad\quad\quad} \quad 5) 0 \times 0 = \underline{\quad\quad\quad} \quad 9) 1 \times 0 = \underline{\quad\quad\quad}$

$2) 0 \times 4 = \underline{\quad\quad\quad} \quad 6) 8 \times 0 = \underline{\quad\quad\quad} \quad 10) 6 \times 0 = \underline{\quad\quad\quad}$

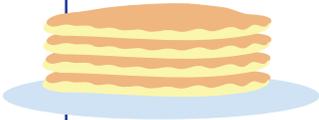
$3) 7 \times 0 = \underline{\quad\quad\quad} \quad 7) 3 \times 0 = \underline{\quad\quad\quad} \quad 11) 0 \times 5 = \underline{\quad\quad\quad}$

$4) 0 \times 6 = \underline{\quad\quad\quad} \quad 8) 2 \times 0 = \underline{\quad\quad\quad} \quad 12) 0 \times 2 = \underline{\quad\quad\quad}$

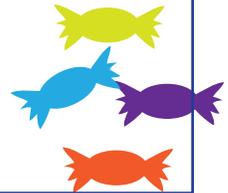
Logic Puzzle Fun! #1

Read the questions below and write down the answers.

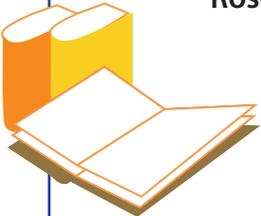
Tony had 10 pancakes. Mary had 2 pancakes more than Tony, and Ashley had 3 more pancakes than Mary. How many pancakes did Ashley have?



Danny bought 5 candies. Lucy bought 2 fewer than Danny. Jimmy bought 4 more than Lucy. How many candies did Jimmy buy?



Sam read 15 books over the summer. Jenny read 4 fewer books than Sam and Rose read 7 more books than Jenny. How many books did Rose read?



May had 20 peanuts. Erika had 10 more peanuts than May. Jacky had 5 fewer peanuts than Erika. How many peanuts did Jacky have?



Mike is 17 years old. Tiffany is 3 years younger than Mike. Roy is 5 years older than Tiffany. How old is Roy?



Finding the Quotient!

Divide to find the **quotient**.

Division is the process of finding how many times one number will fit into another number. Division is the opposite, or inverse, operation of multiplication.

$$\begin{array}{c} 12 \div 2 = 6 \\ \swarrow \quad \uparrow \quad \swarrow \\ \text{dividend} \quad \text{divisor} \quad \text{quotient} \end{array}$$

$$\begin{array}{r} 6 \leftarrow \text{quotient} \\ 2 \overline{)12} \leftarrow \text{dividend} \end{array}$$

The number you are dividing is the **dividend**.

The number you are dividing by is the **divisor**.

The answer to a division problem is the **quotient**.

$$16 \div 2 = 8 \quad 2 \overline{)16}$$

HINT:

Use your multiplication facts to help you find the answer.

$$2 \times ? = 16$$

The answer is **8**.

$$12 \div 4 = \square \quad 4 \overline{)12}$$

$$15 \div 3 = \square \quad 3 \overline{)15}$$

$$9 \div 3 = \square \quad 3 \overline{)9}$$

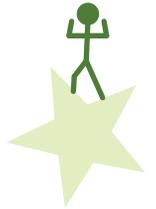
$$10 \div 5 = \square \quad 5 \overline{)10}$$

multiplication tables

multiple of self and 1 

 Fill in the missing boxes.

	1	2	3	4	5	6	7	8	9	10	11	12
1												
2			6	8	10	12	14	16	18	20	22	24
3		6		12	15	18	21	24	27	30	33	36
4		8	12		20	24	28	32	36	40	44	48
5		10	15	20		30	35	40	45	50	55	60
6		12	18	24	30		42	48	54	60	66	72
7		14	21	28	35	42		56	63	70	77	84
8		16	24	32	40	48	56		72	80	88	96
9		18	27	36	45	54	63	72		90	99	108
10		20	30	40	50	60	70	80	90		110	120
11		22	33	44	55	66	77	88	99	110		132
12		24	36	48	60	72	84	96	108	120	132	

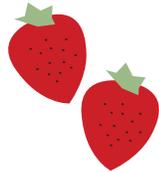


Add It Up!

Solve each **addition word problem**. Show your work!

Pipa went strawberry picking with her sister. Pipa picked 56 strawberries. Her sister picked 38. How many strawberries did they pick in all?

.....



Leah has a teddy bear collection with 64 bears. Her aunt gave her 16 more bears to add to her collection. How many bears does Leah have now?

.....



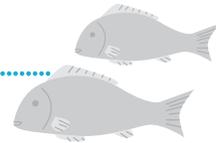
Kira owns 42 different hair bows. Her grandmother gave her 23 more for her birthday. How many hair bows does Kira have now?

.....



John and his father went fishing. John caught 17 fish. His father caught 11. How many fish did they catch in all?

.....



Dan gave his friend Chris 14 star stickers. He also gave his friend Jenna 20 star stickers. How many star stickers did Dan give in all to his friends?

.....

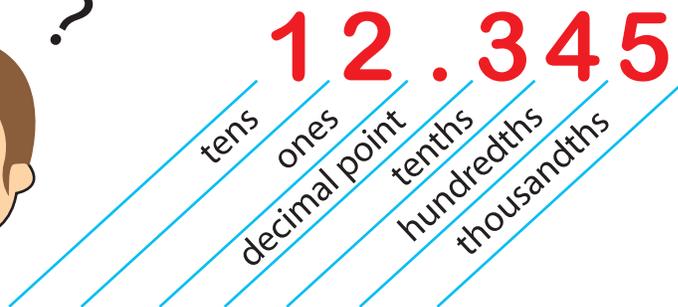
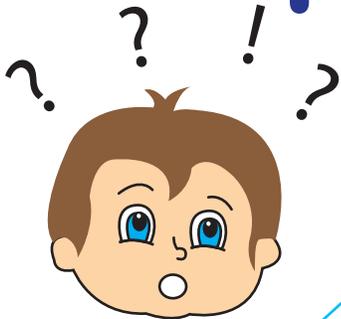


Over the summer, Kenta read 8 mystery books, 10 science fiction books, and 13 horror books. How many books did Kenta read in all over the summer?

.....



Thousandths



Solve each problem.

1. What is the place value of the 5 in the number above?

2. Write the number that has 5 tens, 9 ones, 4 tenths, 5 hundredths
7 thousandths. _____

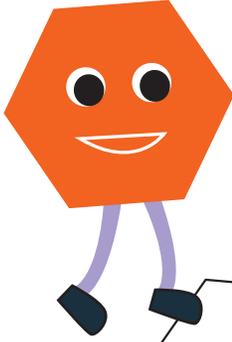
3. What number is in the thousandths place in the number sequence
9.876? _____

4. Write the number that has 8 tens, 3 ones, 7 hundredths, and four
thousandths. _____

5. Write the decimal number for five and two hundredths. _____

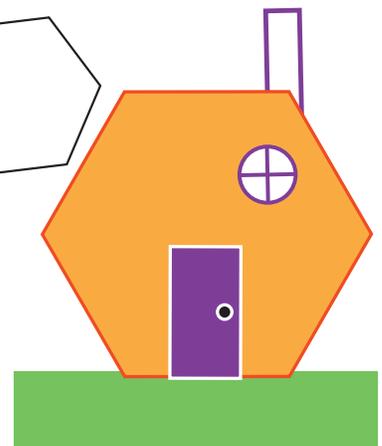
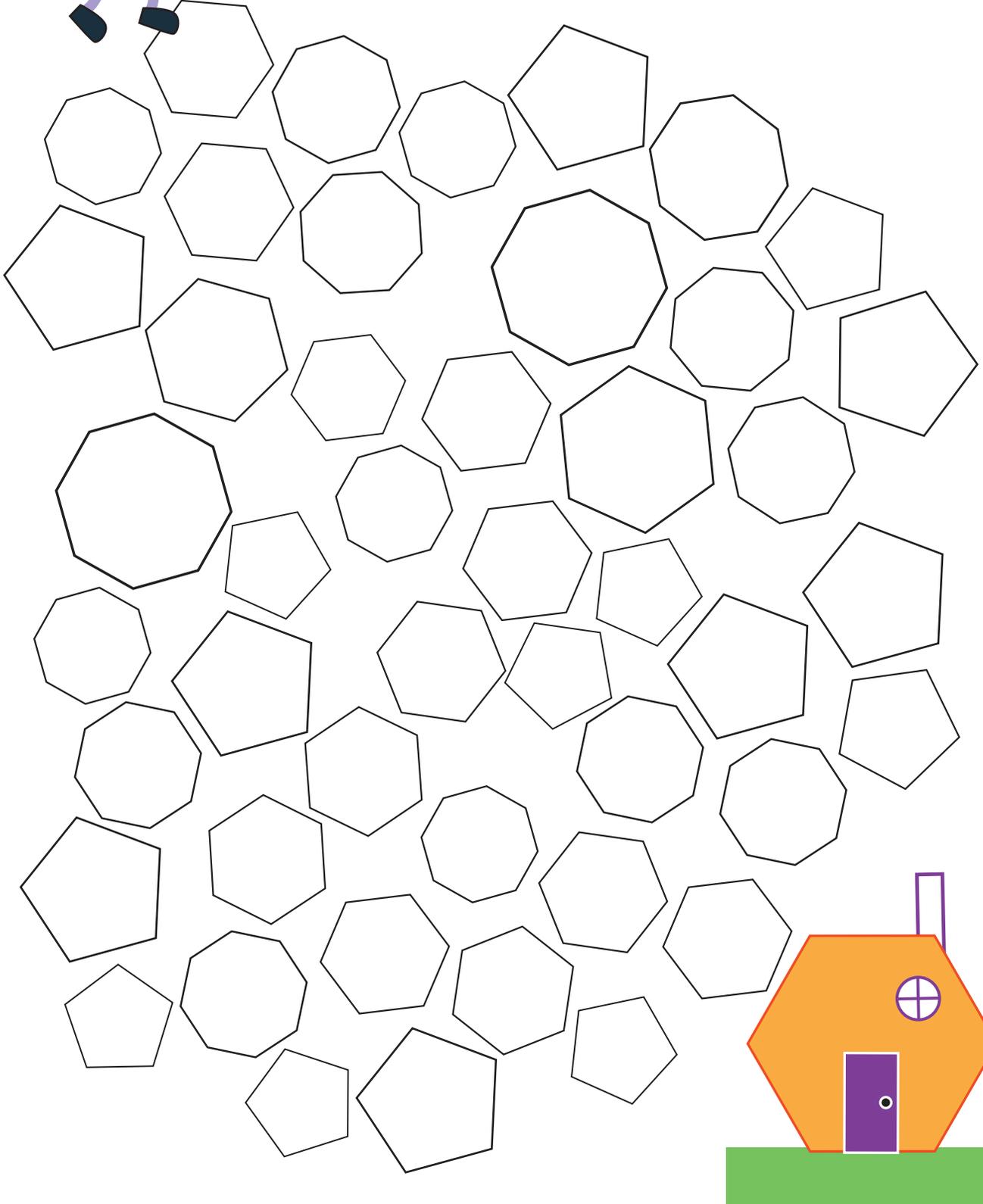
6. Write the number that has 6 tens, 0 ones, 0 tenths, 0 hundredths and
3 thousandths. _____

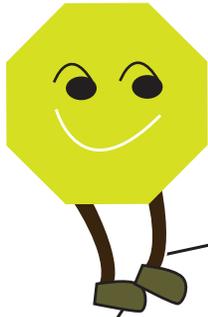
7. Write the decimal number for 9 and one thousandths. _____



Hexagon: Finding The Way Home

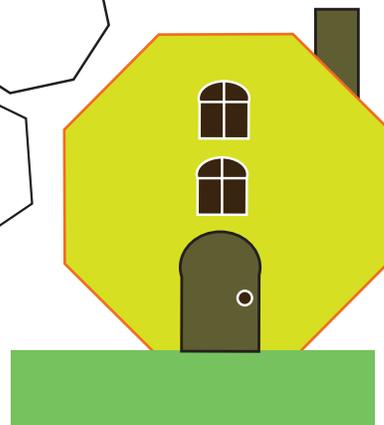
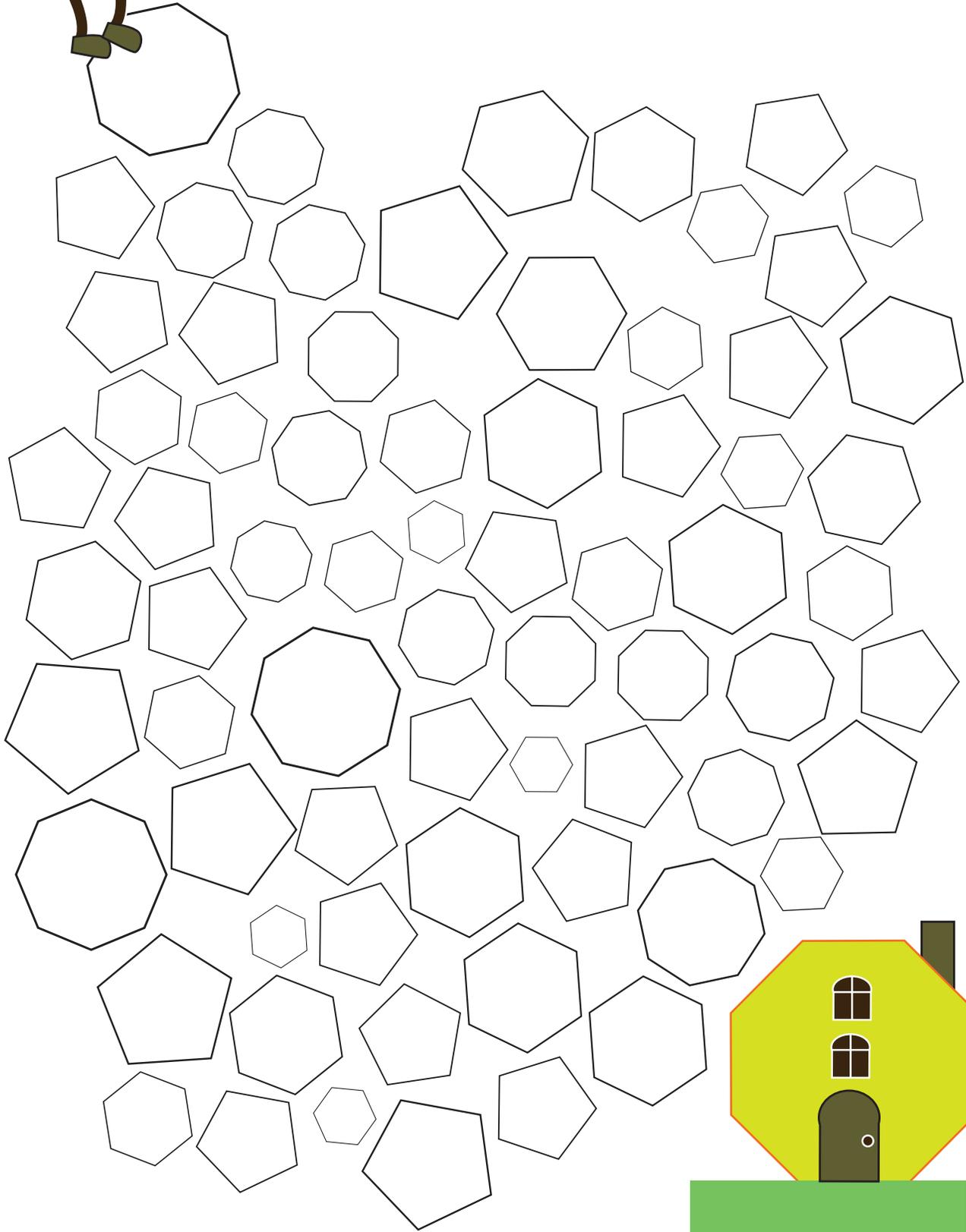
Help Mr. Hexagon find his way home by coloring a path. He can only follow the path with the same shape as his name.





Octagon: Finding The Way Home

Help Mr. Octagon find his way home by coloring a path. He can only follow the path with the same shape as his name.



Name that Angle!

Identify the angles by writing **right**, **acute**, or **obtuse** on the line.

A **right angle**

forms a square corner.



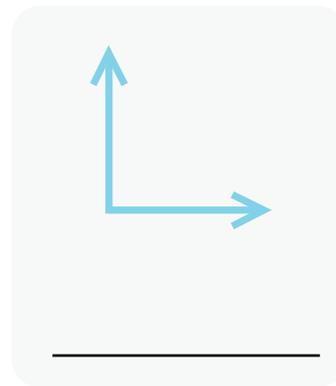
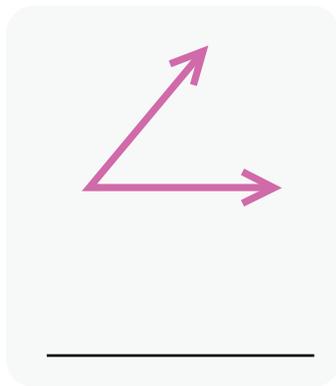
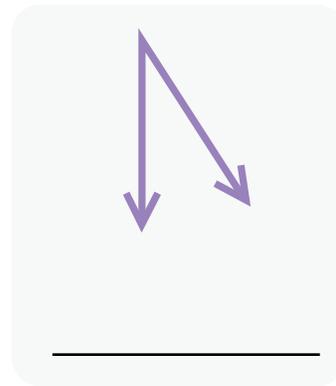
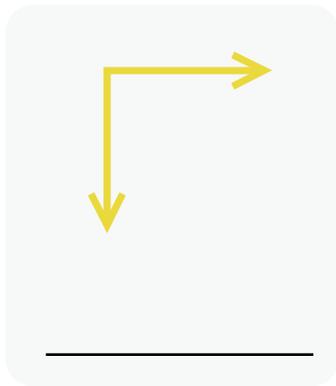
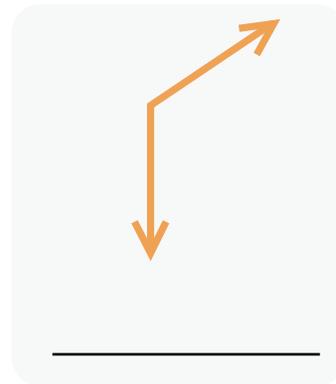
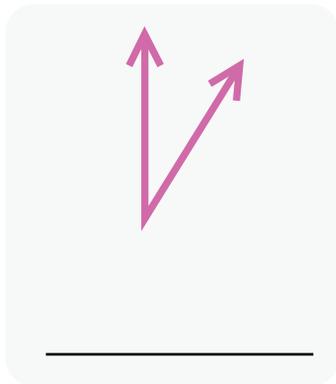
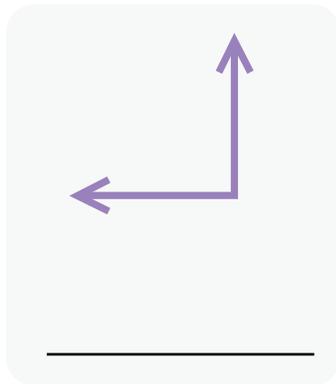
An **acute angle**

is less than a right angle.



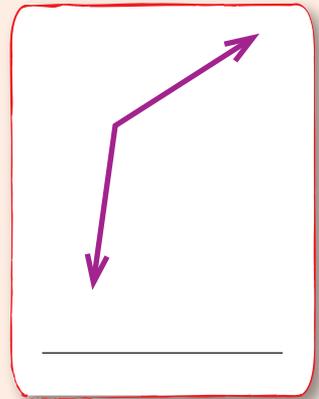
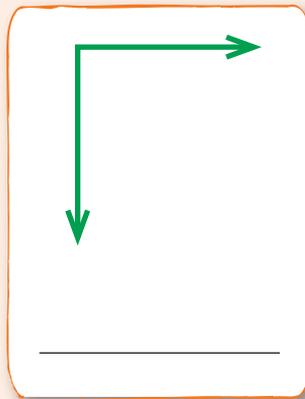
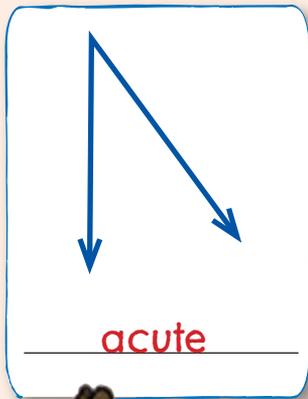
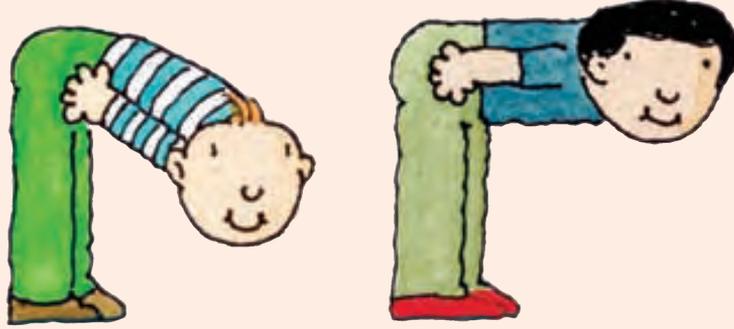
An **obtuse angle**

is greater than a right angle.



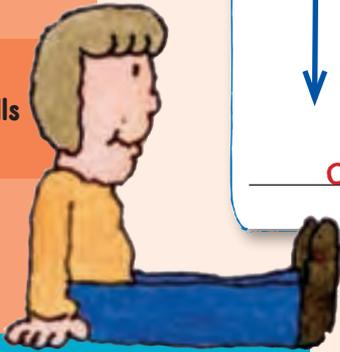
What's Your Angle?

Identify each of these angles by writing **right**, **acute**, or **obtuse** on the line below the angle.



Math Skills

Angles

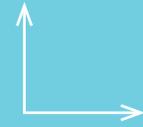


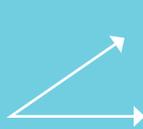
Brain Box

When two lines meet at one point they form an **angle**.

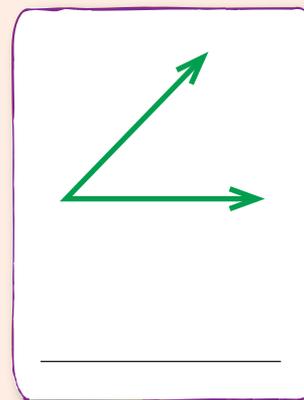
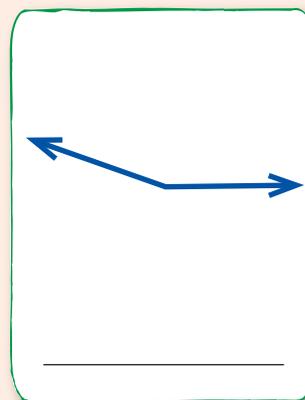
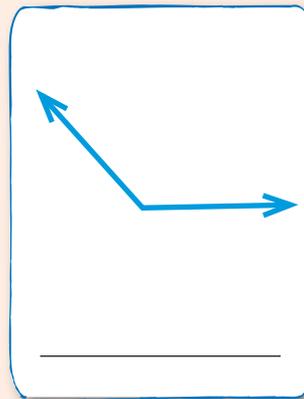
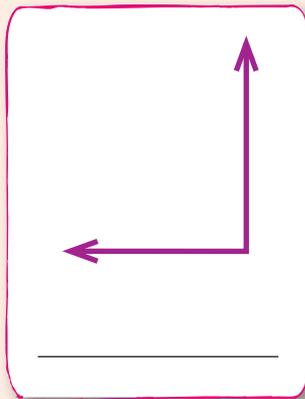
This is angle A. 

Angles can be different sizes. Some are wide and some are narrow.

A **right angle** forms a square corner. 

An **acute angle** is less than a right angle. 

An **obtuse angle** is greater than a right angle. 



Coconut Addition

Add the fractions.

To **add fractions** that have the same denominator, just add the numerators. The denominator stays the same.

$\frac{1}{2}$ — numerator
— denominator

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

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

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

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

$$\frac{7}{12} + \frac{3}{12} = \frac{\square}{\square}$$

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

$$\frac{2}{10} + \frac{4}{10} = \frac{\square}{\square}$$

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

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

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

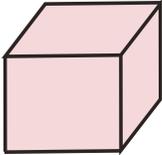
$$\frac{3}{7} + \frac{2}{7} = \frac{\square}{\square}$$

$$\frac{2}{9} + \frac{3}{9} = \frac{\square}{\square}$$

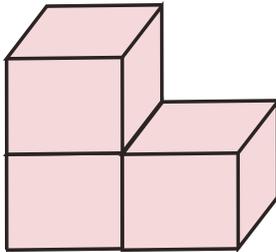


Counting Volume

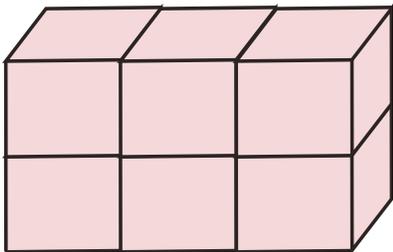
Find the volume by counting the cubic units. Write down the answer.
Note: some squares cannot be seen in a picture, but you know they are there.

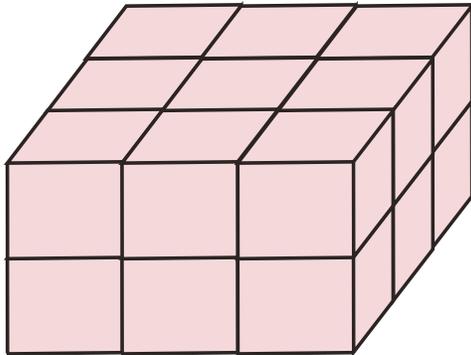


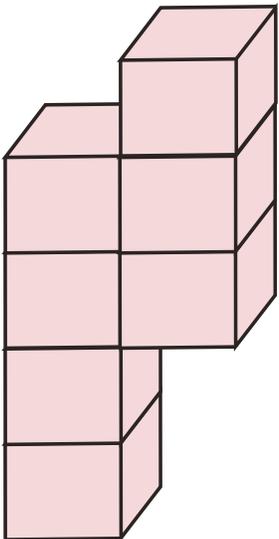
1 cubic unit

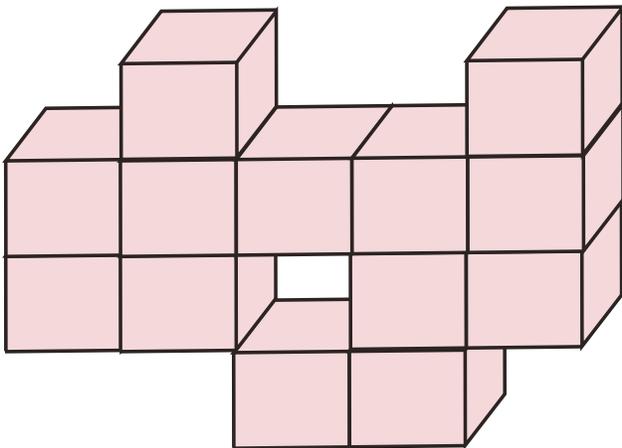


3 cubic units



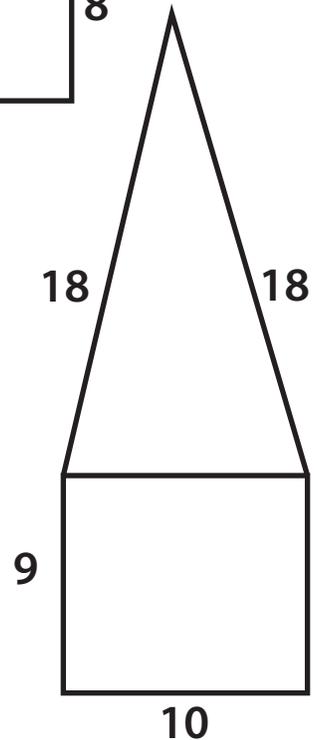
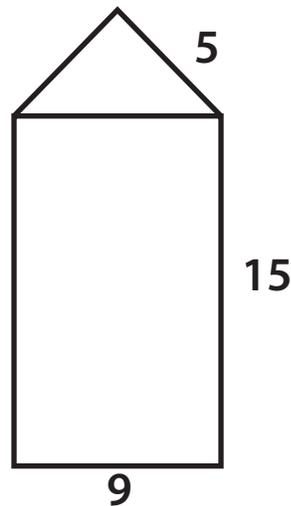
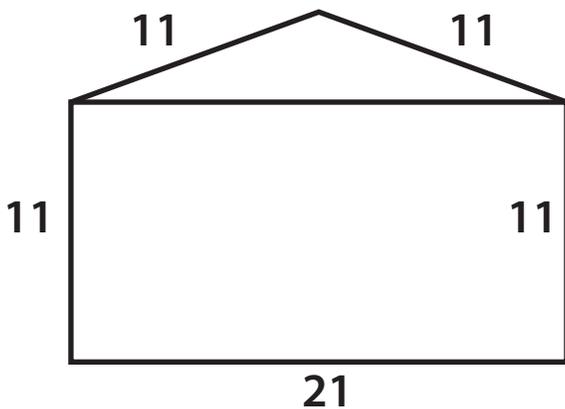
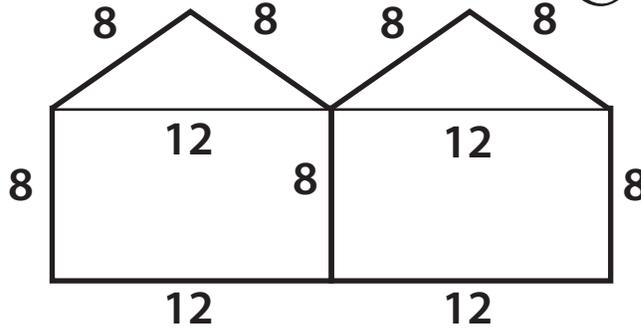
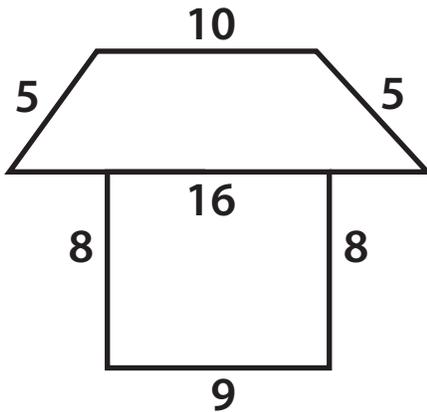
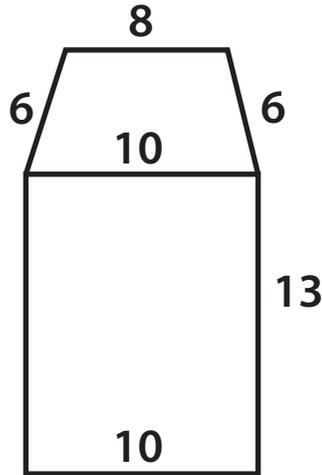
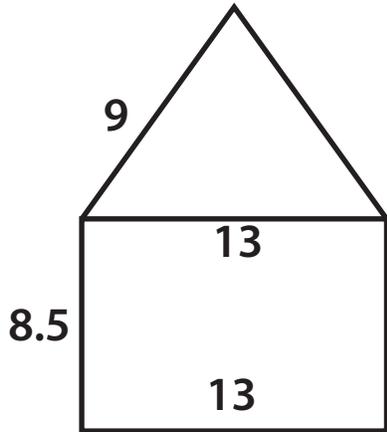
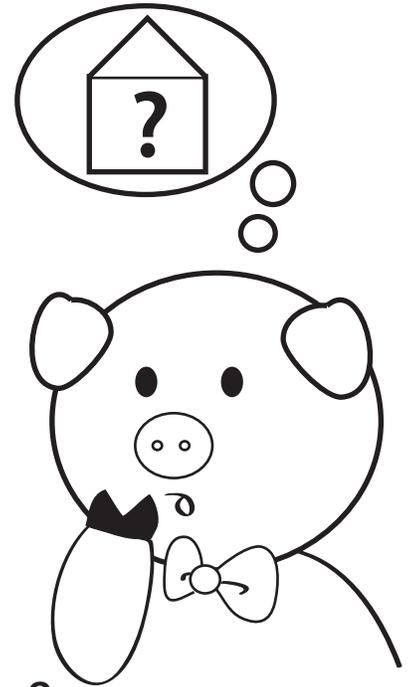






Piggy's House Hunting: Find the Perimeter

Piggy needs to find a house with the largest perimeter.
Help Piggy by finding the perimeter of each house.
Then color the largest one.



3rd Grade **How Much Change? Math**

COUNTING COINS

Subtract the price from the coins you have and write down the change you have left.

You Have:



You Buy



What's Left

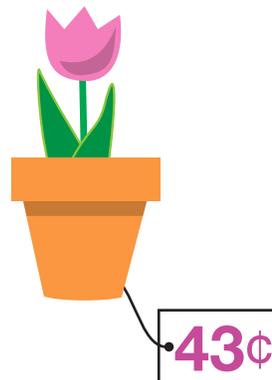
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Divide 'Em Up

Solve each **division word problem**. Show your work!

Ms. Bran brought 4 evenly divided boxes of muffins to class. There are 36 muffins altogether. How many muffins are in each box?

.....



Pookie's Pet Store has 24 tropical fish. They keep 3 fish in each tank. How many fish tanks are there?

.....



Sally divided her 48 spools of thread evenly into 6 boxes. How many spools of thread did she put in each box?

.....



Ivan scooped 16 scoops of ice cream evenly onto 8 cones. How many scoops of ice cream are on each cone?

.....



Chris has 28 cactus plants. He keeps his cactus plants in even rows of 7. How many cactus plants are in each row?

.....



There are 50 toes in the swimming pool. Each person has 10 toes. How many people are in the pool?

.....



Round 'Em Up!

Round the numbers to the nearest ten.

Rounding to the nearest ten

If the **ones** number is **5** or greater, **round up** to the **nearest ten**. Example: $1\underline{7} \rightarrow 20$

If the **ones** number is **4** or less, **round down** to the **nearest ten**. Example: $1\underline{2} \rightarrow 10$

56 60

31 _____

18 _____

43 _____

12 _____

27 _____

35 _____

67 _____

48 _____

61 _____

73 _____

86 _____

79 _____

84 _____

24 _____

52 _____

Rounding to the nearest hundred

If the **tens** number is **5** or greater, **round up** to the **nearest hundred**. Example: $1\underline{6}1 \rightarrow 200$

If the **tens** number is **4** or less, **round down** to the **nearest hundred**. Example: $1\underline{1}8 \rightarrow 100$

486 500

266 _____

521 _____

651 _____

824 _____

148 _____

378 _____

234 _____

333 _____

613 _____

883 _____

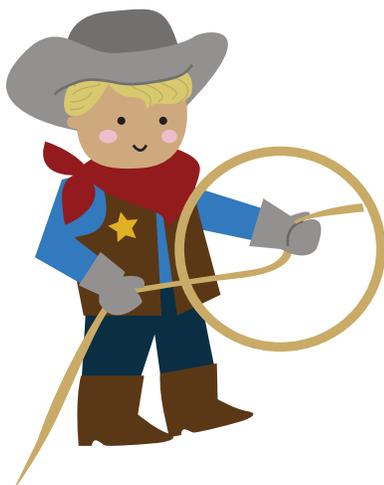
949 _____

551 _____

195 _____

728 _____

762 _____

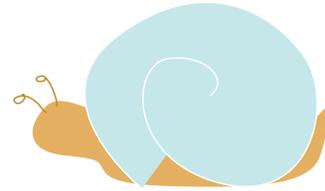


Here's a little rhyme to help you remember how to round numbers:

5 or more, raise the score
4 or less, let it rest

Snail Division

Find the quotient.



$$\begin{array}{r} \square \\ 3 \overline{) 9} \end{array}$$

$$\begin{array}{r} \square \\ 5 \overline{) 15} \end{array}$$

$$\begin{array}{r} \square \\ 4 \overline{) 4} \end{array}$$

$$\begin{array}{r} \square \\ 2 \overline{) 14} \end{array}$$

$$\begin{array}{r} \square \\ 5 \overline{) 40} \end{array}$$

$$\begin{array}{r} \square \\ 2 \overline{) 22} \end{array}$$

$$\begin{array}{r} \square \\ 3 \overline{) 18} \end{array}$$

$$\begin{array}{r} \square \\ 9 \overline{) 36} \end{array}$$

$$\begin{array}{r} \square \\ 3 \overline{) 24} \end{array}$$

$$\begin{array}{r} \square \\ 7 \overline{) 21} \end{array}$$

$$\begin{array}{r} \square \\ 2 \overline{) 8} \end{array}$$

$$\begin{array}{r} \square \\ 8 \overline{) 32} \end{array}$$

$$\begin{array}{r} \square \\ 4 \overline{) 16} \end{array}$$

$$\begin{array}{r} \square \\ 6 \overline{) 36} \end{array}$$

$$\begin{array}{r} \square \\ 3 \overline{) 30} \end{array}$$

$$\begin{array}{r} \square \\ 4 \overline{) 12} \end{array}$$

$$\begin{array}{r} \square \\ 2 \overline{) 10} \end{array}$$

$$\begin{array}{r} \square \\ 3 \overline{) 27} \end{array}$$

$$\begin{array}{r} \square \\ 1 \overline{) 5} \end{array}$$

$$\begin{array}{r} \square \\ 6 \overline{) 24} \end{array}$$



Math-Go-Round

Multiplication | Difficulty: ★★★★★

Find a friend and practice your multiplication skills. Find two coins or game pieces and place them on the square labeled **START**. Choose one of the problems to solve and move your game piece clockwise around the board to that problem's answer.

Keep track of the number of corners you go around on each move. For each one, give yourself a point. The player with the most points at the end is the winner.

Keep score with the table below.

	Player 1	Player 2
Round 1		
Round 2		
Round 3		
Round 4		
Round 5		
Round 6		
Round 7		
Round 8		
Total	_____	_____

START +1 Point	7,957	3,861	4,462	6,384	+1 Point
1,694	$\begin{array}{r} 143 \\ \times 27 \\ \hline \end{array}$	$\begin{array}{r} 152 \\ \times 42 \\ \hline \end{array}$	$\begin{array}{r} 141 \\ \times 33 \\ \hline \end{array}$	$\begin{array}{r} 137 \\ \times 63 \\ \hline \end{array}$	1,610
2,916	$\begin{array}{r} 172 \\ \times 51 \\ \hline \end{array}$	$\begin{array}{r} 194 \\ \times 23 \\ \hline \end{array}$	$\begin{array}{r} 115 \\ \times 14 \\ \hline \end{array}$	$\begin{array}{r} 104 \\ \times 85 \\ \hline \end{array}$	3,021
4,653	$\begin{array}{r} 154 \\ \times 11 \\ \hline \end{array}$	$\begin{array}{r} 170 \\ \times 58 \\ \hline \end{array}$	$\begin{array}{r} 139 \\ \times 24 \\ \hline \end{array}$	$\begin{array}{r} 158 \\ \times 59 \\ \hline \end{array}$	8,840
9,860	$\begin{array}{r} 129 \\ \times 11 \\ \hline \end{array}$	$\begin{array}{r} 109 \\ \times 73 \\ \hline \end{array}$	$\begin{array}{r} 108 \\ \times 27 \\ \hline \end{array}$	$\begin{array}{r} 159 \\ \times 19 \\ \hline \end{array}$	8,772
+1 Point	3,336	8,631	9,322	1,419	+1 Point

Coral Reef Addition

Add using **regrouping**. Show your work!



$$\begin{array}{r} 196 \\ + 328 \\ \hline \end{array}$$

$$\begin{array}{r} 564 \\ + 49 \\ \hline \end{array}$$

$$\begin{array}{r} 486 \\ + 235 \\ \hline \end{array}$$



$$\begin{array}{r} 182 \\ + 98 \\ \hline \end{array}$$

$$\begin{array}{r} 559 \\ + 262 \\ \hline \end{array}$$

$$\begin{array}{r} 256 \\ + 84 \\ \hline \end{array}$$

$$\begin{array}{r} 798 \\ + 123 \\ \hline \end{array}$$

$$\begin{array}{r} 654 \\ + 176 \\ \hline \end{array}$$

$$\begin{array}{r} 497 \\ + 155 \\ \hline \end{array}$$



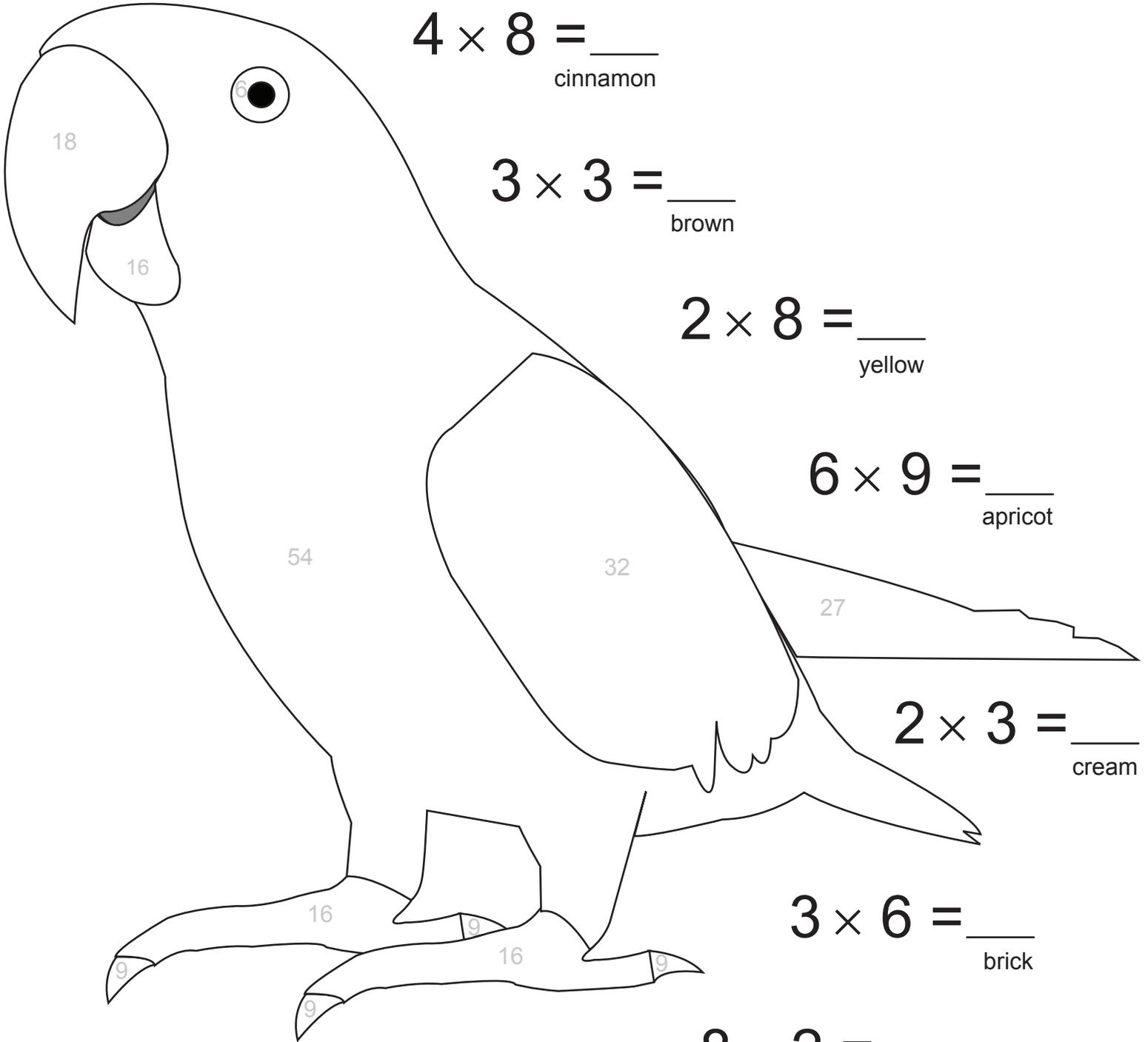
$$\begin{array}{r} 348 \\ + 285 \\ \hline \end{array}$$

$$\begin{array}{r} 846 \\ + 137 \\ \hline \end{array}$$



Multiplication Color By Number

Once you have solved the multiplication problems on the right, you can color in the parrot using the color that is listed under each answer.



$$4 \times 8 = \underline{\quad}$$

cinnamon

$$3 \times 3 = \underline{\quad}$$

brown

$$2 \times 8 = \underline{\quad}$$

yellow

$$6 \times 9 = \underline{\quad}$$

apricot

$$2 \times 3 = \underline{\quad}$$

cream

$$3 \times 6 = \underline{\quad}$$

brick

$$9 \times 3 = \underline{\quad}$$

lime

$$8 \times 2 = \underline{\quad}$$

yellow

Multiplying by Seven

Find the product.


$$\begin{array}{r} 2 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 0 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ \times 7 \\ \hline \end{array}$$



$$\begin{array}{r} 4 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 6 \\ \hline \end{array}$$


$$\begin{array}{r} 8 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 4 \\ \hline \end{array}$$


$$\begin{array}{r} 7 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 7 \\ \hline \end{array}$$


$$\begin{array}{r} 7 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 7 \\ \hline \end{array}$$


$$\begin{array}{r} 10 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 7 \\ \hline \end{array}$$


Fill in the multiplication chart.

x	1	2	3	4	5	6	7	8	9	10
7										

Multiplying by Nine

Find the product.



$$\begin{array}{r} 9 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 6 \\ \hline \end{array}$$



Fill in the multiplication chart.

x	1	2	3	4	5	6	7	8	9	10
9										

Two-Digit Multiplication Practice



For each problem below, multiply and regroup if necessary. Be sure to show all of your work.

$$1) \begin{array}{r} 63 \\ \times 2 \\ \hline \end{array}$$

$$5) \begin{array}{r} 18 \\ \times 4 \\ \hline \end{array}$$

$$9) \begin{array}{r} 11 \\ \times 7 \\ \hline \end{array}$$

$$13) \begin{array}{r} 12 \\ \times 1 \\ \hline \end{array}$$

$$17) \begin{array}{r} 13 \\ \times 3 \\ \hline \end{array}$$

$$2) \begin{array}{r} 14 \\ \times 5 \\ \hline \end{array}$$

$$6) \begin{array}{r} 10 \\ \times 6 \\ \hline \end{array}$$

$$10) \begin{array}{r} 15 \\ \times 4 \\ \hline \end{array}$$

$$14) \begin{array}{r} 47 \\ \times 3 \\ \hline \end{array}$$

$$18) \begin{array}{r} 23 \\ \times 4 \\ \hline \end{array}$$

$$3) \begin{array}{r} 24 \\ \times 3 \\ \hline \end{array}$$

$$7) \begin{array}{r} 30 \\ \times 2 \\ \hline \end{array}$$

$$11) \begin{array}{r} 60 \\ \times 8 \\ \hline \end{array}$$

$$15) \begin{array}{r} 77 \\ \times 3 \\ \hline \end{array}$$

$$19) \begin{array}{r} 42 \\ \times 5 \\ \hline \end{array}$$

$$4) \begin{array}{r} 12 \\ \times 3 \\ \hline \end{array}$$

$$8) \begin{array}{r} 17 \\ \times 4 \\ \hline \end{array}$$

$$12) \begin{array}{r} 86 \\ \times 2 \\ \hline \end{array}$$

$$16) \begin{array}{r} 29 \\ \times 8 \\ \hline \end{array}$$

$$20) \begin{array}{r} 34 \\ \times 3 \\ \hline \end{array}$$

Answer Sheets

3rd Grade Math Practice Packet

Units of Measurement Practice Test
Lines, Line Segments, and Rays
Properties of Multiplication: Associative
Isosceles Triangles
How Much Time Has Gone By?
Decimal Subtraction
Measurement Mania #4: Aquarium Fun
Adding Fractions
Practice Reading Lengths
Find the Figure
Logic Puzzle Fun #1
Division: Finding the Quotient!
Addition Word Problems: Add It Up!
Place Value Practice: Thousandths
Geometry: Name That Angle!
Units of Measurement: Inches, Feet and Yards
Crazy Coconut Fractions
Geometry: Counting Volume
Find the Perimeter
How Much Change?
Division Word Problems: Divide 'Em Up!
Rounding: Round 'Em Up!
Snail Division
Multiplication Color by Number: Butterfly 4
Coral Reef: Three-Digit Addition with Regrouping
Multiplication Color by Number: Parrot 5
Multiplying by Seven
Multiplying by Nine
Two-Digit Multiplication



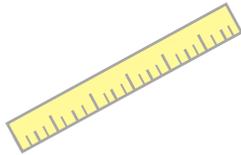
Measurement Review

Fill in the circle next to the correct answer.

1. _____

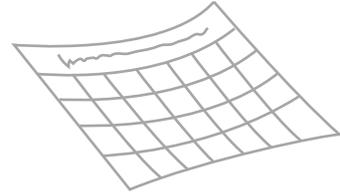
The line above measures

- a) 1 in.
- b) 4 cm.
- c) 3 cm.
- d) $1\frac{1}{2}$ in.



7. How many days are in May and June together?

- a) 60
- b) 59
- c) 62
- d) 61



2. 1 lb. of feathers equals

- a) 10 oz.
- b) 16 oz.
- c) 16 g.
- d) 10 g.

8. How many days are in two non-leap years?

- a) 730
- b) 732
- c) 731
- d) 728

3. 14 pints equals

- a) 7 quarts
- b) 26 cups
- c) 7 gallons
- d) 6 quarts



9. How many minutes are in 8 hours?

- a) 540
- b) 480
- c) 560
- d) 420

4. 1 liquid oz. equals about

- a) 3 ml.
- b) 60 ml.
- c) 30 ml.
- d) 1 liter

10. How many hours are in 1 week?

- a) 120
- b) 168
- c) 144
- d) 192

5. A liter equals a little more than

- a) 1 cup
- b) 2 cups
- c) 4 pints
- d) 1 quart

11. How many minutes are in 12 hours?

- a) 720
- b) 240
- c) 600
- d) 480

6. 5 Tons equals

- a) 1,000 lbs.
- b) 10,000 lbs.
- c) 4,000 kg.
- d) 10,000 kg.



12. What is the elapsed time between 1:30 p.m. and 3:48 p.m.?

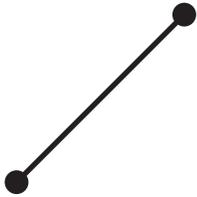
- a) 2 hours, 28 min.
- b) 3 hours, 18 min.
- c) 2 hours, 18 min.
- d) 3 hours, 28 min.



Lines, Line Segments, and Rays

A line is a path that extends in two directions with no end.
A line segment is a path that has two fixed end points.
A ray is a path that has one end point and extends infinitely in the other direction.

Look at the pictures below. Label them whether they are lines, line segments, or rays.



Line Segment



Ray



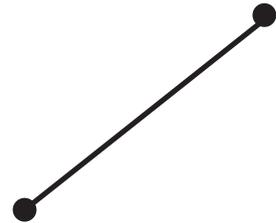
Line



Ray

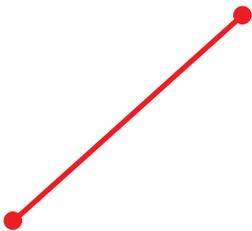


Line

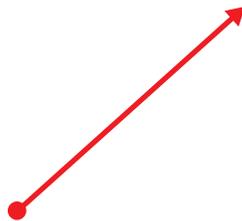


Line Segment

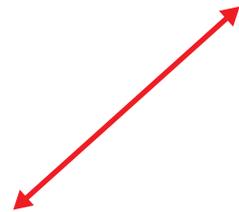
Draw a line segment here.



Draw a ray here.



Draw a line here.



It's Associative!

One of the multiplication properties is *associative*, which means you can group the factors in a multiplication equation and still get the same product.

$$A \times (B \times C) = (A \times B) \times C$$

Find the missing number according to the associative property.

$$4 \times (3 \times 2) = (4 \times 3) \times \boxed{2}$$

$$6 \times (2 \times 5) = (6 \times 2) \times \boxed{5}$$

$$(20 \times 5) \times 11 = 20 \times (11 \times \boxed{5})$$

Find the product of these numbers.

$$7 \times (2 \times 1) = \boxed{14}$$

$$2 \times (7 \times 1) = \boxed{14}$$

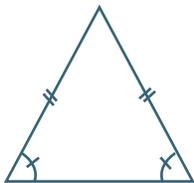
$$10 \times (3 \times 4) = 10 \times \boxed{12} = \boxed{120}$$

$$(10 \times 3) \times 4 = \boxed{30} \times 4 = \boxed{120}$$

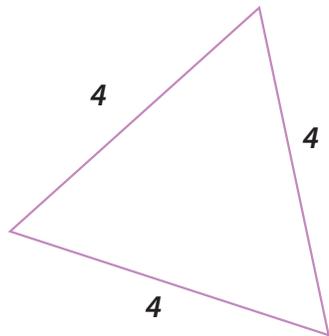
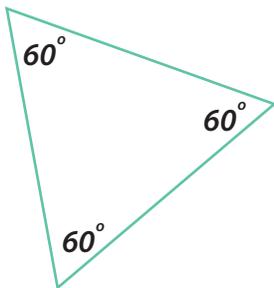
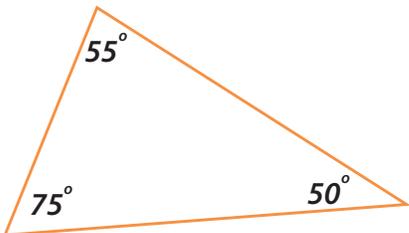
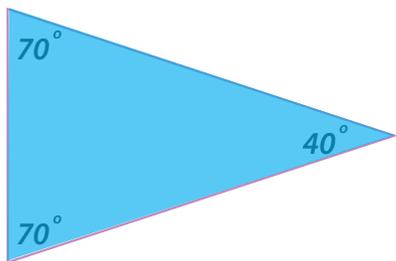
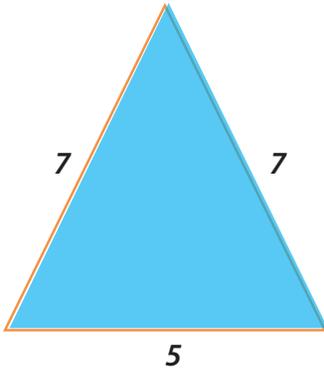
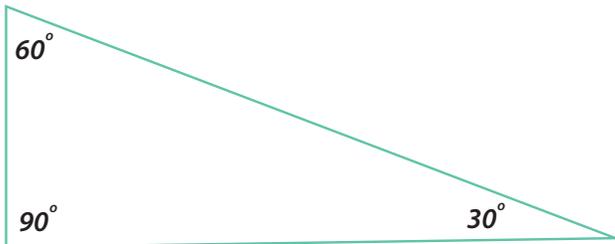
When you group the factors differently, do the two equations have the same product?

YES

All About Isosceles Triangles



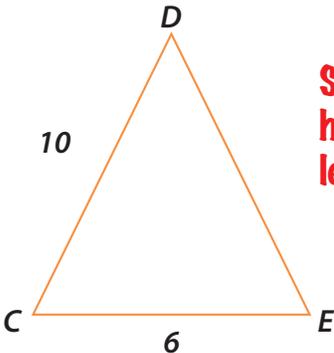
An isosceles triangle has 2 equal angles and 1 different angle. It also has 2 equal sides and 1 different side. Look at the triangles below. Color the isosceles triangles, then answer the questions.



1. Triangle JKL has 2 65 degree angles and 1 50 degree angle. Is it an isosceles triangle? Circle yes or no.

Yes No

2. Triangle CDE below is an isosceles triangle. Find the length of side DE.



Since isosceles triangles have two equal sides, the length of side DE is 10.



Elapsed Time

How much has elapsed, or passed from 1:15 p.m. to 5:28 p.m.?

$$\begin{array}{r}
 1:15 \text{ to } 2:00 = 45 \text{ minutes} \qquad 45 \\
 2:00 \text{ to } 5:00 = 3 \text{ hours or } 180 \text{ minutes} \qquad 180 \\
 5:00 \text{ to } 5:28 = 28 \text{ minutes} \qquad + 28 \\
 \hline
 253 \longrightarrow 253 \text{ minutes} = 6 \text{ hours, } 13 \text{ minutes}
 \end{array}$$

Find the elapsed time. If the sum is more than 60 minutes, write the time two ways.

1. 7:10 a.m. to 8:15 a.m.

$$\begin{array}{r}
 50 \\
 +15 \\
 \hline
 65 \text{ minutes} \\
 \text{or } 1 \text{ hour, } 5 \text{ minutes}
 \end{array}$$

6. 8:36 p.m. to 11:24 p.m.

$$\begin{array}{r}
 24 \\
 120 \\
 + 24 \\
 \hline
 168 \text{ minutes} \\
 \text{or } 2 \text{ hour, } 48 \text{ minutes}
 \end{array}$$

2. 9:10 p.m. to 11:01 p.m.

$$\begin{array}{r}
 50 \\
 60 \\
 + 1 \\
 \hline
 111 \text{ minutes} \\
 \text{or } 1 \text{ hour, } 51 \text{ minutes}
 \end{array}$$

7. 11:11 a.m. to 12:57 p.m.

$$\begin{array}{r}
 49 \\
 +57 \\
 \hline
 106 \text{ minutes} \\
 \text{or } 1 \text{ hour, } 46 \text{ minutes}
 \end{array}$$

3. 2:40 p.m. to 4:18 p.m.

$$\begin{array}{r}
 20 \\
 60 \\
 +18 \\
 \hline
 98 \text{ minutes} \\
 \text{or } 1 \text{ hour, } 38 \text{ minutes}
 \end{array}$$

8. 5:24 a.m. to 8:19 a.m.

$$\begin{array}{r}
 36 \\
 120 \\
 + 19 \\
 \hline
 175 \text{ minutes} \\
 \text{or } 2 \text{ hour, } 55 \text{ minutes}
 \end{array}$$

4. 12:05 a.m. to 1:52 a.m.

$$\begin{array}{r}
 55 \\
 +52 \\
 \hline
 107 \text{ minutes} \\
 \text{or } 1 \text{ hour, } 47 \text{ minutes}
 \end{array}$$

9. 4:08 a.m. to 7:49 a.m.

$$\begin{array}{r}
 52 \\
 120 \\
 + 49 \\
 \hline
 221 \text{ minutes} \\
 \text{or } 3 \text{ hour, } 41 \text{ minutes}
 \end{array}$$

5. 6:56 a.m. to 9:44 a.m.

$$\begin{array}{r}
 4 \\
 120 \\
 + 44 \\
 \hline
 168 \text{ minutes} \\
 \text{or } 2 \text{ hour, } 48 \text{ minutes}
 \end{array}$$

10. 10:17 p.m. to 1:59 a.m.

$$\begin{array}{r}
 43 \\
 +120 \\
 \hline
 59 \\
 222 \text{ minutes} \\
 \text{or } 3 \text{ hour, } 42 \text{ minutes}
 \end{array}$$

Decimal Subtraction

Subtract the **decimals**. Show your work!

To **subtract decimals**, make sure that the decimal points line up. Subtract the numbers the same way you would in a normal equation. Carry the decimal point directly down into your answer!

$$\begin{array}{r} 5.6 \\ - 2.4 \\ \hline 3.2 \end{array}$$

$$\begin{array}{r} 6.4 \\ - 1.3 \\ \hline 5.1 \end{array}$$

$$\begin{array}{r} \overset{31}{4.8} \\ - 1.9 \\ \hline 2.9 \end{array}$$

$$\begin{array}{r} 3.98 \\ - 1.32 \\ \hline 2.66 \end{array}$$

$$\begin{array}{r} 6.29 \\ - 2.12 \\ \hline 4.17 \end{array}$$

$$\begin{array}{r} \overset{71}{5.82} \\ - 3.14 \\ \hline 2.68 \end{array}$$

$$\begin{array}{r} \overset{3101}{4.11} \\ - 1.23 \\ \hline 2.88 \end{array}$$

$$\begin{array}{r} \overset{212}{3.24} \\ - 1.62 \\ \hline 1.62 \end{array}$$

$$\begin{array}{r} \overset{31}{4.43} \\ - 1.15 \\ \hline 3.28 \end{array}$$

$$\begin{array}{r} 7.65 \\ - 1.15 \\ \hline 6.50 \end{array}$$

$$\begin{array}{r} \overset{01}{2.13} \\ - 1.09 \\ \hline 1.04 \end{array}$$

$$\begin{array}{r} 5.26 \\ - 1.02 \\ \hline 4.24 \end{array}$$



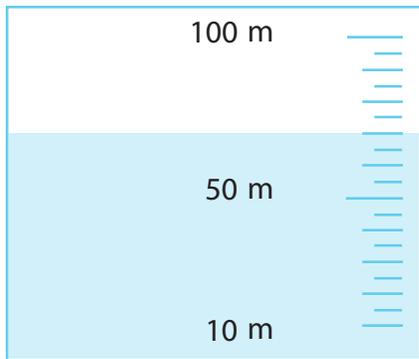
Aquarium Fun!

Practice Identifying Measurement

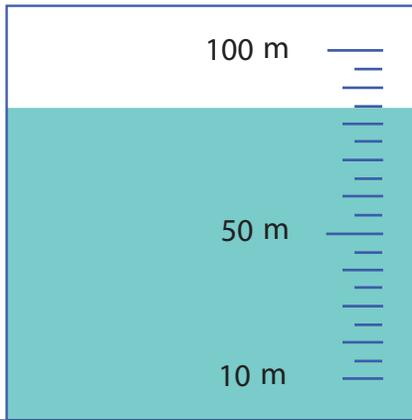
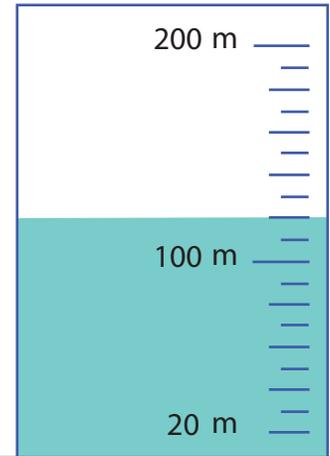
These sea animals live at the aquarium. How much water is needed to fill their tanks? Find the correct water mark, then color it in. See the example below.



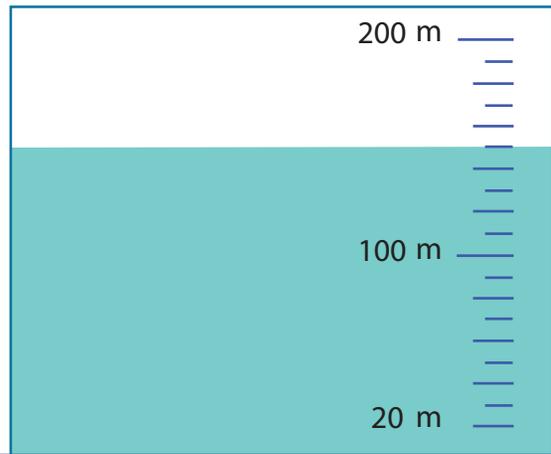
Sea turtle
70 meters



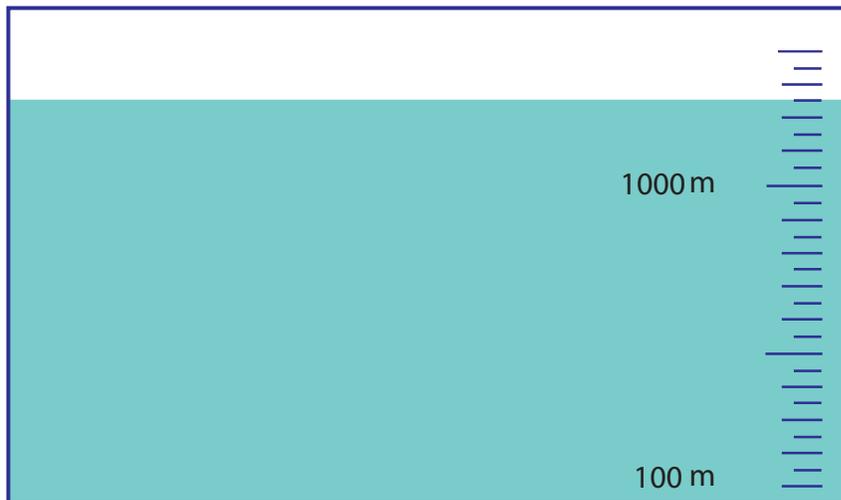
Octopus
120 meters



Starfish
85 meters



Seahorse
150 meters



Jellyfish
1250 meters

Adding Fractions with the same denominator

Write the sum of each fraction below. Remember: when adding fractions with the same denominator, simply add the numerators and keep the denominator the same.



$$\frac{\overset{\text{numerator}}{3}}{\underset{\text{denominator}}{5}} + \frac{1}{5} = \frac{4}{5}$$

$$\frac{5}{5} + \frac{8}{5} = \frac{13}{5}$$

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

$$\frac{6}{3} + \frac{4}{3} = \frac{10}{3}$$

$$\frac{7}{4} + \frac{8}{4} = \frac{15}{4}$$

$$\frac{11}{9} + \frac{5}{9} = \frac{16}{9}$$

$$\frac{9}{8} + \frac{9}{8} = \frac{18}{8}$$

$$\frac{10}{12} + \frac{12}{12} = \frac{22}{12}$$

$$\frac{17}{22} + \frac{3}{22} = \frac{20}{22}$$

$$\frac{22}{50} + \frac{15}{50} + \frac{17}{50} = \frac{54}{50}$$

$$\frac{35}{100} + \frac{6}{100} + \frac{79}{100} + \frac{14}{100} = \frac{134}{100}$$



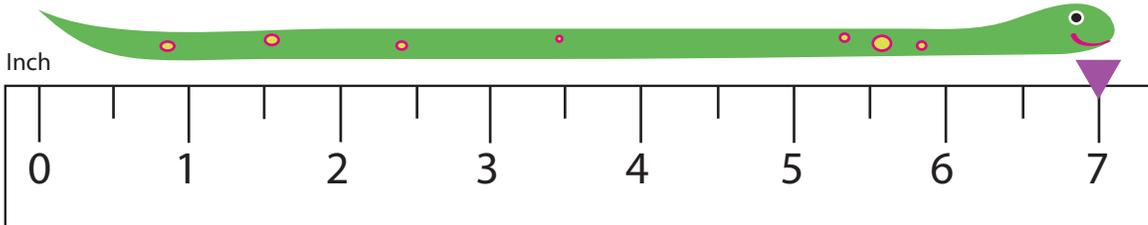
3rd
Grade

Length

Practice Reading Measurement

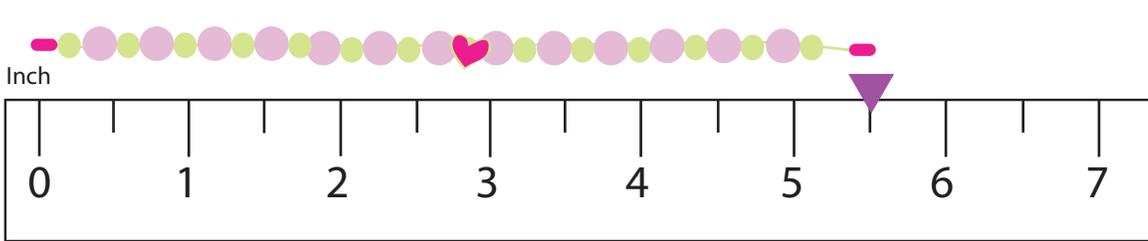
Write the correct length in the box.

How long is the snake?



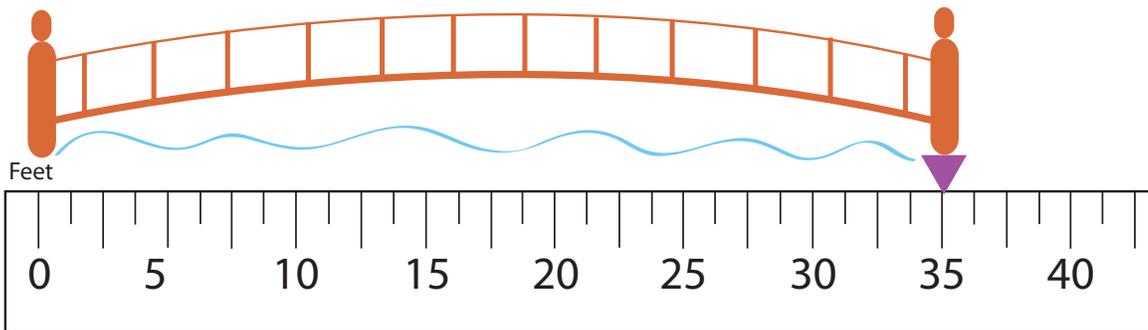
7"

How long is the necklace?



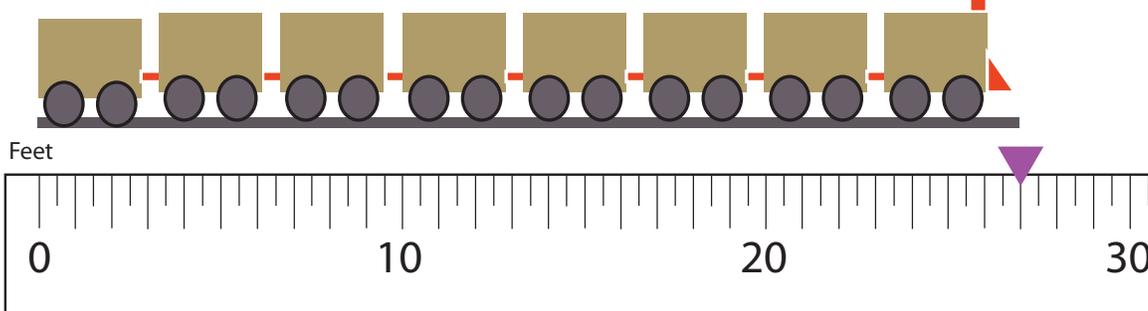
5 1/2"

How long is the bridge?



35'

How long is the train?



27'

Figure This!

Read about each **solid figure**

Three-dimensional or 3-D, figures are also called **solid figures**

- ★ The bottom of a solid figure is called the **base**
- ★ The sides of a solid figure are called **faces**



A **cube** is a solid figure with six equal square faces.



A **rectangular prism** is a solid figure with six rectangular faces.



A **sphere** is a round solid figure with all points at an equal distance from the center.

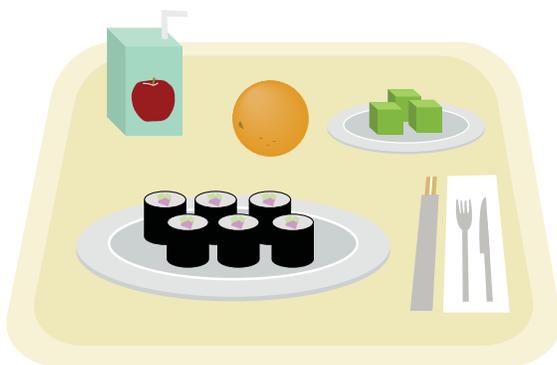


A **cone** is a solid figure that has a circular base and comes to a point at the top.



A **cylinder** is a solid figure with two equal circular bases.

Can you identify **four** solid figures in the drawing?



rectangular prism

sphere

cube

cylinder

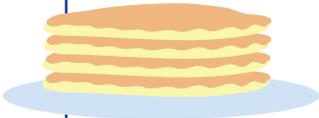
Logic Puzzle Fun! #1

Read the questions below and write down the answers.

Tony had 10 pancakes. Mary had 2 pancakes more than Tony, and Ashley had 3 more pancakes than Mary. How many pancakes did Ashley have?

$$10+2+3=15$$

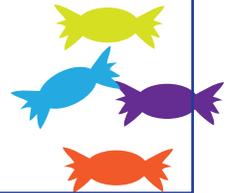
Ashley ate 15 pancakes.



Danny bought 5 candies. Lucy bought 2 fewer than Danny. Jimmy bought 4 more than Lucy. How many candies did Jimmy buy?

$$5-2+4=7$$

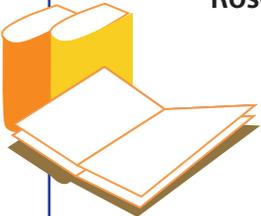
Jimmy bought 7 candies.



Sam read 15 books over the summer. Jenny read 4 fewer books than Sam and Rose read 7 more books than Jenny. How many books did Rose read?

$$15-4+7=18$$

Rose read 18 books over the summer.



May had 20 peanuts. Erika had 10 more peanuts than May. Jacky had 5 fewer peanuts than Erika. How many peanuts did Jacky have?

$$20+10-5=25$$

Jacky has 25 peanuts.



Mike is 17 years old. Tiffany is 3 years younger than Mike. Roy is 5 years older than Tiffany. How old is Roy?

$$17-3+5=19$$

Roy is 19 years old.



Finding the Quotient!

Divide to find the **quotient**.

Division is the process of finding how many times one number will fit into another number. Division is the opposite, or inverse, operation of multiplication.

$$\begin{array}{c} 12 \div 2 = 6 \\ \swarrow \quad \uparrow \quad \searrow \\ \text{dividend} \quad \text{divisor} \quad \text{quotient} \end{array}$$

$$\begin{array}{r} 6 \leftarrow \text{quotient} \\ 2 \overline{)12} \leftarrow \text{dividend} \end{array}$$

The number you are dividing is the **dividend**.

The number you are dividing by is the **divisor**.

The answer to a division problem is the **quotient**.

$$16 \div 2 = 8 \quad 2 \overline{)16}$$

HINT:

Use your multiplication facts to help you find the answer.

$$2 \times ? = 16$$

The answer is **8**.

$$12 \div 4 = 3 \quad 4 \overline{)12}$$

$$15 \div 3 = 5 \quad 3 \overline{)15}$$

$$9 \div 3 = 3 \quad 3 \overline{)9}$$

$$10 \div 5 = 2 \quad 5 \overline{)10}$$

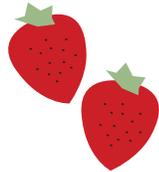
Add It Up!

Solve each **addition word problem**. Show your work!

Pipa went strawberry picking with her sister. Pipa picked 56 strawberries. Her sister picked 38. How many strawberries did they pick in all?

$$56+38=94$$

They picked 94 strawberries.



Leah has a teddy bear collection with 64 bears. Her aunt gave her 16 more bears to add to her collection. How many bears does Leah have now?

$$64+16=80$$

Leah has 80 teddy bears.



Kira owns 42 different hair bows. Her grandmother gave her 23 more for her birthday. How many hair bows does Kira have now?

$$42+23=65$$

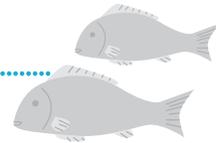
Kira owns 65 hair bows.



John and his father went fishing. John caught 17 fish. His father caught 11. How many fish did they catch in all?

$$17+11=28$$

They caught 28 fish.



Dan gave his friend Chris 14 star stickers. He also gave his friend Jenna 20 star stickers. How many star stickers did Dan give in all to his friends?

$$14+20=34$$

Dan gave 34 star stickers.



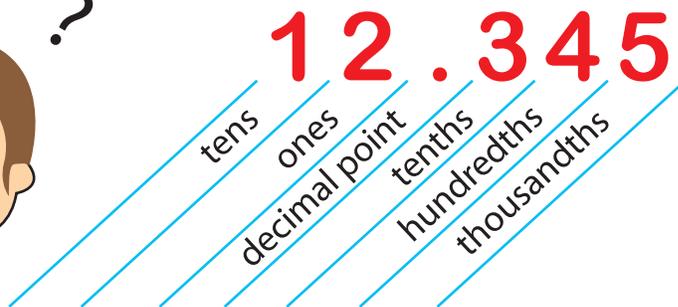
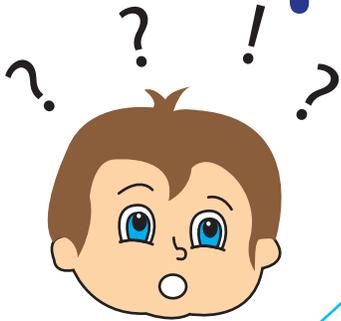
Over the summer, Kenta read 8 mystery books, 10 science fiction books, and 13 horror books. How many books did Kenta read in all over the summer?

$$8+10+13=31$$

Kenta read 31 books.



Thousandths



Solve each problem.

1. What is the place value of the 5 in the number above?

thousandths

2. Write the number that has 5 tens, 9 ones, 4 tenths, 5 hundredths 7 thousandths. 59.457

3. What number is in the thousandths place in the number sequence 9.876? 6

4. Write the number that has 8 tens, 3 ones, 7 hundredths, and four thousandths. 83.074

5. Write the decimal number for five and two hundredths. 5.02

6. Write the number that has 6 tens, 0 ones, 0 tenths, 0 hundredths and 3 thousandths. 60.003

7. Write the decimal number for 9 and one thousandths. 9.001

Name that Angle!

Identify the angles by writing right, acute, or obtuse on the line.

A right angle

forms a square corner.



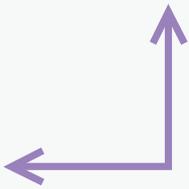
An acute angle

is less than a right angle.



An obtuse angle

is greater than a right angle.



right



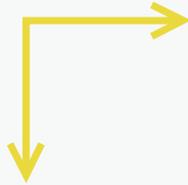
acute



obtuse



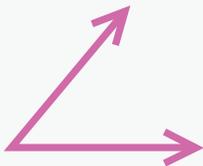
obtuse



right



acute



acute



obtuse



right

U.S. Customary Units of Length

$1 \text{ foot (ft.)} = 12 \text{ inches (in.)}$

$1 \text{ yard (yr.)} = 3 \text{ feet (ft.)}$

$1 \text{ yard (yd.)} = 36 \text{ inches (in.)}$

Find the equivalent measurement.

1. $12 \text{ in.} = \underline{1} \text{ ft.}$

$36 \text{ in.} = \underline{1} \text{ yd.}$

$24 \text{ in.} = \underline{2} \text{ ft.}$

2. $36 \text{ in.} = \underline{3} \text{ ft.}$

$2 \text{ yd.} = \underline{6} \text{ ft.}$

$15 \text{ ft.} = \underline{5} \text{ yd.}$

3. $4 \text{ yd.} = \underline{12} \text{ ft.}$

$3 \text{ yd.} = \underline{108} \text{ in.}$

$30 \text{ ft.} = \underline{10} \text{ yd.}$

4. $7 \text{ ft.} = \underline{84} \text{ in.}$

$45 \text{ ft.} = \underline{15} \text{ yd.}$

$12 \text{ ft.} = \underline{144} \text{ in.}$

5. $4 \text{ yd.} = \underline{144} \text{ in.}$

$20 \text{ yd.} = \underline{240} \text{ ft.}$

$50 \text{ yd.} = \underline{150} \text{ ft.}$

Solve each problem.

6. Jim is 5.5 feet tall. What is the equivalent in inches?

66

7. Mike ran 15 yards. What is that distance in feet?

45

8. Kathy has 5 feet of ribbon.

How much ribbon does she have in inches?

60

9. Bridgitte's room is 24 feet wide.

What is that width in yards?

8

10. Both Daniel and Chris are 4 feet 6 inches tall.

What is their combined height in yards?

3

Coconut Addition

Add the fractions.

To **add fractions** that have the same denominator, just add the numerators. The denominator stays the same.

$\frac{1}{2}$ — numerator
— denominator

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

$$\frac{4}{8} + \frac{3}{8} = \frac{7}{8}$$

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

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

$$\frac{7}{12} + \frac{3}{12} = \frac{10}{12}$$

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

$$\frac{2}{10} + \frac{4}{10} = \frac{6}{10}$$

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

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

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

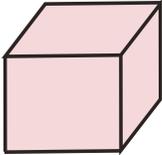
$$\frac{3}{7} + \frac{2}{7} = \frac{5}{7}$$

$$\frac{2}{9} + \frac{3}{9} = \frac{5}{9}$$

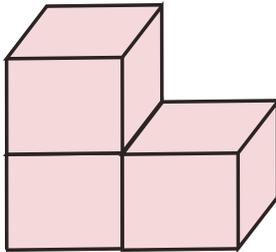


Counting Volume

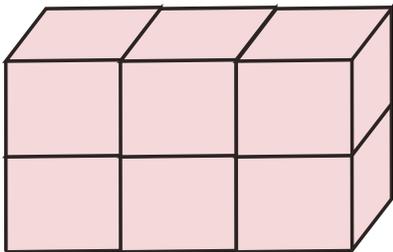
Find the volume by counting the cubic units. Write down the answer.
Note: some squares cannot be seen in a picture, but you know they are there.



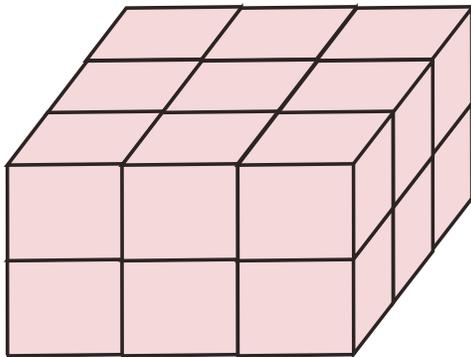
1 cubic unit



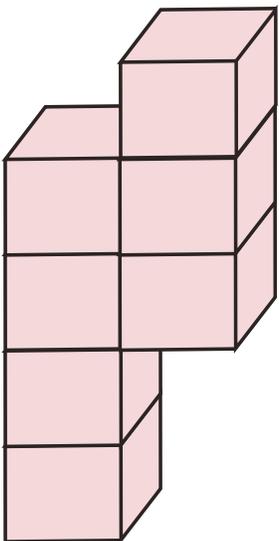
3 cubic units



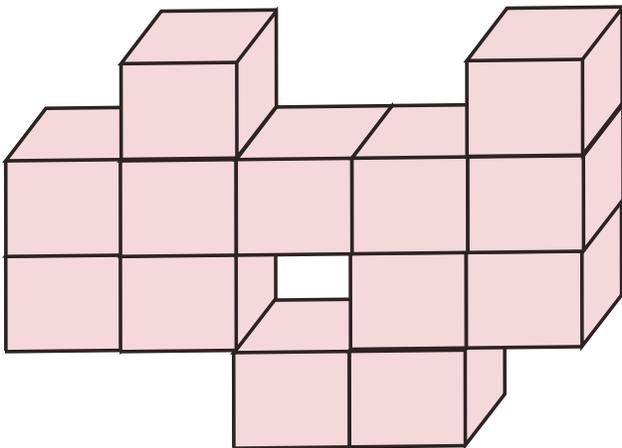
6 cubic units



18 cubic units



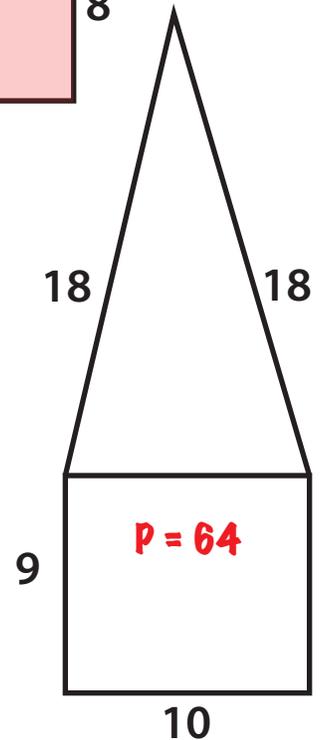
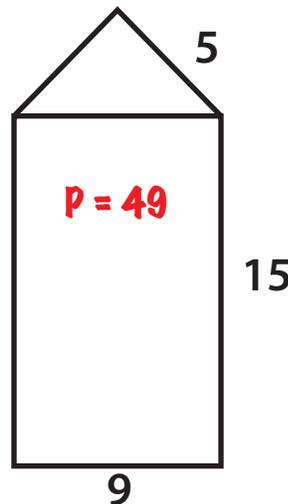
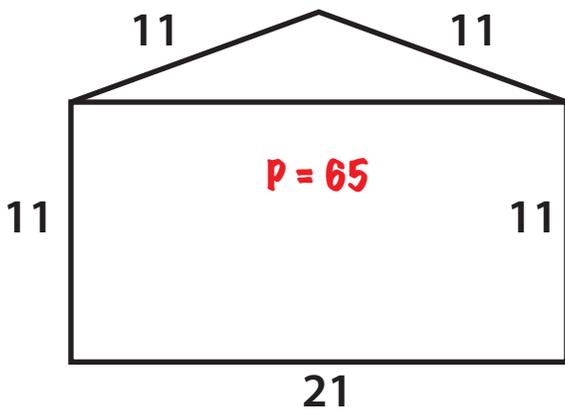
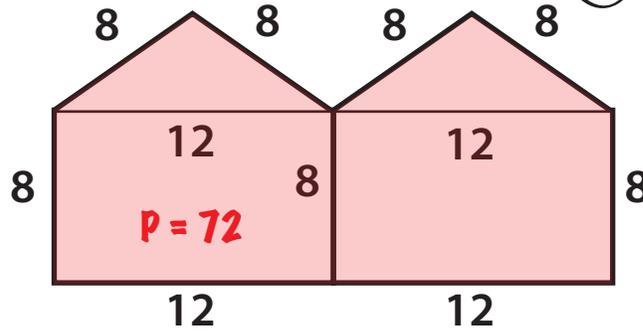
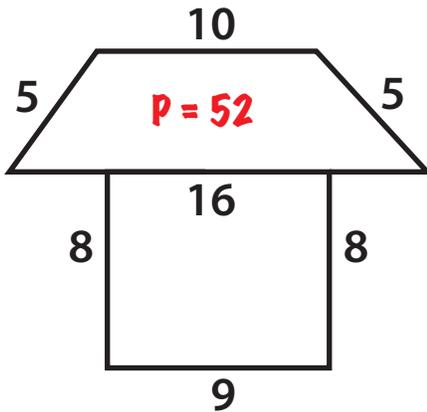
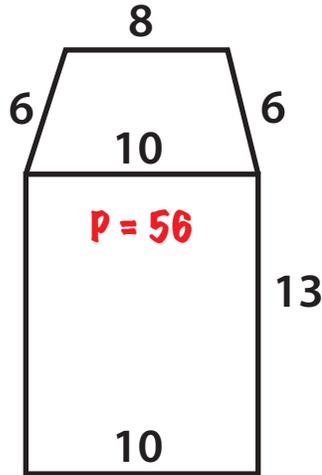
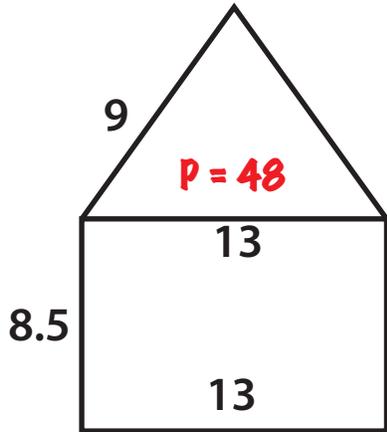
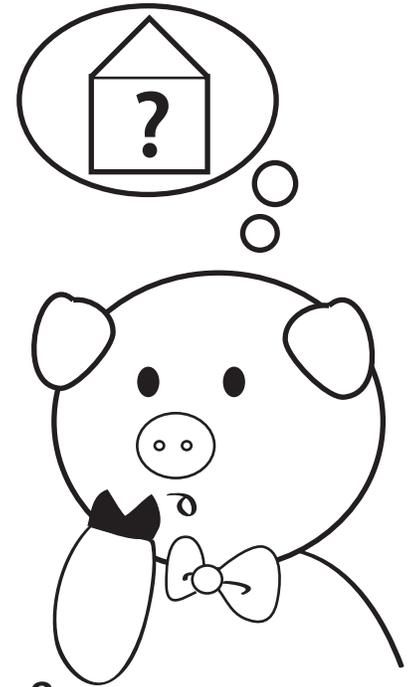
7 cubic units



13 cubic units

Piggy's House Hunting: Find the Perimeter

Piggy needs to find a house with the largest perimeter.
Help Piggy by finding the perimeter of each house.
Then color the largest one.



3rd Grade How Much Change? Math

COUNTING COINS

Subtract the price from the coins you have and write down the change you have left.

You Have:



You Buy

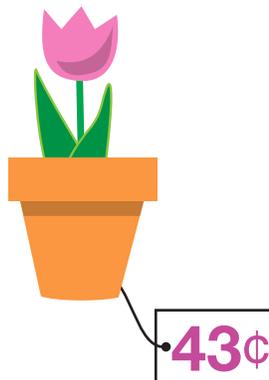


What's Left

$$\begin{array}{r}
 \text{---} \\
 = \\
 \mathbf{33\text{¢}} \\
 \text{---}
 \end{array}$$



$$\begin{array}{r}
 \text{---} \\
 = \\
 \mathbf{13\text{¢}} \\
 \text{---}
 \end{array}$$



$$\begin{array}{r}
 \text{---} \\
 = \\
 \mathbf{28\text{¢}} \\
 \text{---}
 \end{array}$$

Divide 'Em Up

Solve each division word problem. Show your work!

Ms. Bran brought 4 evenly divided boxes of muffins to class. There are 36 muffins altogether. How many muffins are in each box?



$$36 \div 4 = 9$$

There are 9 muffins in each box.

Pookie's Pet Store has 24 tropical fish. They keep 3 fish in each tank. How many fish tanks are there?



$$24 \div 3 = 8$$

There are 8 tropical fish in each tank.

Sally divided her 48 spools of thread evenly into 6 boxes. How many spools of thread did she put in each box?



$$48 \div 6 = 8$$

There are 8 spools in each box.

Ivan scooped 16 scoops of ice cream evenly onto 8 cones. How many scoops of ice cream are on each cone?



$$16 \div 8 = 2$$

There are 2 scoops on each cone.

Chris has 28 cactus plants. He keeps his cactus plants in even rows of 7. How many cactus plants are in each row?



$$28 \div 7 = 4$$

There are 4 cactus plants in each row.

There are 50 toes in the swimming pool. Each person has 10 toes. How many people are in the pool?



$$50 \div 10 = 5$$

There are 5 people in the pool.

Round 'Em Up!

Round the numbers to the nearest ten.

Rounding to the nearest ten

If the **ones** number is **5** or greater, **round up** to the **nearest ten** Example: $17 \rightarrow 20$

If the **ones** number is **4** or less, **round down** to the **nearest ten** Example: $12 \rightarrow 10$

56 60

31 30

18 20

43 40

12 10

27 30

35 40

67 70

48 50

61 60

73 70

86 90

79 80

84 80

24 20

52 50

Rounding to the nearest hundred

If the **tens** number is **5** or greater, **round up** to the **nearest hundred** Example: $161 \rightarrow 200$

If the **tens** number is **4** or less, **round down** to the **nearest hundred** Example: $118 \rightarrow 100$

486 500

266 300

521 500

651 700

824 800

148 100

378 400

234 200

333 300

613 600

883 900

949 900

551 600

195 200

728 700

762 800

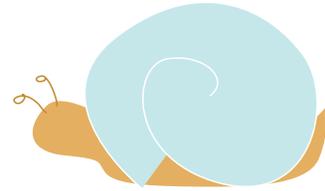


Here's a little rhyme to help you remember how to round numbers:

5 or more, raise the score
4 or less, let it rest

Snail Division

Find the quotient.



$$\begin{array}{r} \boxed{3} \\ 3 \overline{)9} \end{array}$$

$$\begin{array}{r} \boxed{3} \\ 5 \overline{)15} \end{array}$$

$$\begin{array}{r} \boxed{1} \\ 4 \overline{)4} \end{array}$$

$$\begin{array}{r} \boxed{7} \\ 2 \overline{)14} \end{array}$$

$$\begin{array}{r} \boxed{8} \\ 5 \overline{)40} \end{array}$$

$$\begin{array}{r} \boxed{1} \\ 2 \overline{)22} \end{array}$$

$$\begin{array}{r} \boxed{6} \\ 3 \overline{)18} \end{array}$$

$$\begin{array}{r} \boxed{4} \\ 9 \overline{)36} \end{array}$$

$$\begin{array}{r} \boxed{8} \\ 3 \overline{)24} \end{array}$$

$$\begin{array}{r} \boxed{3} \\ 7 \overline{)21} \end{array}$$

$$\begin{array}{r} \boxed{4} \\ 2 \overline{)8} \end{array}$$

$$\begin{array}{r} \boxed{4} \\ 8 \overline{)32} \end{array}$$

$$\begin{array}{r} \boxed{4} \\ 4 \overline{)16} \end{array}$$

$$\begin{array}{r} \boxed{6} \\ 6 \overline{)36} \end{array}$$

$$\begin{array}{r} \boxed{1} \\ 3 \overline{)30} \end{array}$$

$$\begin{array}{r} \boxed{3} \\ 4 \overline{)12} \end{array}$$

$$\begin{array}{r} \boxed{5} \\ 2 \overline{)10} \end{array}$$

$$\begin{array}{r} \boxed{9} \\ 3 \overline{)27} \end{array}$$

$$\begin{array}{r} \boxed{5} \\ 1 \overline{)5} \end{array}$$

$$\begin{array}{r} \boxed{4} \\ 6 \overline{)24} \end{array}$$



Coral Reef Addition

Add using **regrouping**. Show your work!



$$\begin{array}{r} 196 \\ + 328 \\ \hline 524 \end{array}$$

$$\begin{array}{r} 564 \\ + 49 \\ \hline 613 \end{array}$$

$$\begin{array}{r} 486 \\ + 235 \\ \hline 721 \end{array}$$



$$\begin{array}{r} 182 \\ + 98 \\ \hline 280 \end{array}$$

$$\begin{array}{r} 559 \\ + 262 \\ \hline 821 \end{array}$$

$$\begin{array}{r} 256 \\ + 84 \\ \hline 340 \end{array}$$

$$\begin{array}{r} 798 \\ + 123 \\ \hline 921 \end{array}$$

$$\begin{array}{r} 654 \\ + 176 \\ \hline 830 \end{array}$$

$$\begin{array}{r} 497 \\ + 155 \\ \hline 652 \end{array}$$



$$\begin{array}{r} 348 \\ + 285 \\ \hline 633 \end{array}$$

$$\begin{array}{r} 846 \\ + 137 \\ \hline 983 \end{array}$$



Multiplication Color By Number

Once you have solved the multiplication problems on the right, you can color in the parrot using the color that is listed under each answer.

$$4 \times 8 = \underline{32}$$

cinnamon

$$3 \times 3 = \underline{9}$$

brown

$$2 \times 8 = \underline{16}$$

yellow

$$6 \times 9 = \underline{54}$$

apricot

$$2 \times 3 = \underline{6}$$

cream

$$3 \times 6 = \underline{18}$$

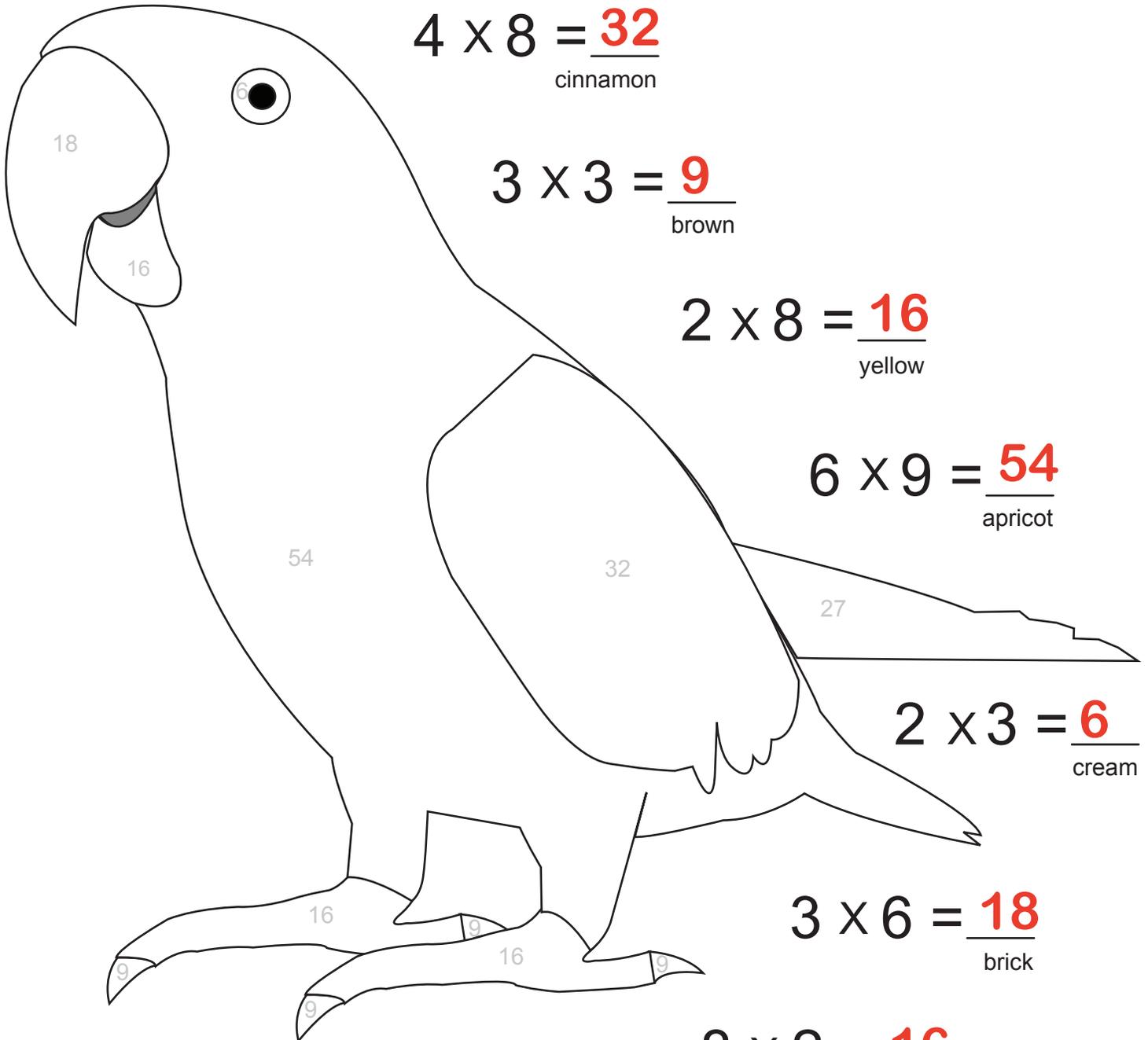
brick

$$8 \times 2 = \underline{16}$$

yellow

$$9 \times 3 = \underline{27}$$

lime



Multiplying by Seven

Find the product.


$$\begin{array}{r} 2 \\ \times 7 \\ \hline 14 \end{array}$$

$$\begin{array}{r} 7 \\ \times 3 \\ \hline 21 \end{array}$$

$$\begin{array}{r} 7 \\ \times 0 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 1 \\ \times 7 \\ \hline 7 \end{array}$$



$$\begin{array}{r} 4 \\ \times 7 \\ \hline 28 \end{array}$$

$$\begin{array}{r} 7 \\ \times 6 \\ \hline 42 \end{array}$$


$$\begin{array}{r} 8 \\ \times 7 \\ \hline 56 \end{array}$$

$$\begin{array}{r} 7 \\ \times 4 \\ \hline 28 \end{array}$$


$$\begin{array}{r} 7 \\ \times 5 \\ \hline 35 \end{array}$$

$$\begin{array}{r} 10 \\ \times 7 \\ \hline 70 \end{array}$$

$$\begin{array}{r} 7 \\ \times 7 \\ \hline 49 \end{array}$$

$$\begin{array}{r} 6 \\ \times 7 \\ \hline 42 \end{array}$$


$$\begin{array}{r} 7 \\ \times 8 \\ \hline 56 \end{array}$$

$$\begin{array}{r} 9 \\ \times 7 \\ \hline 63 \end{array}$$


$$\begin{array}{r} 10 \\ \times 7 \\ \hline 70 \end{array}$$

$$\begin{array}{r} 3 \\ \times 7 \\ \hline 21 \end{array}$$


Fill in the multiplication chart.

x	1	2	3	4	5	6	7	8	9	10
7	7	14	21	28	35	42	49	56	63	70

Multiplying by Nine

Find the product.



$$\begin{array}{r} 9 \\ \times 1 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 3 \\ \times 9 \\ \hline 27 \end{array}$$

$$\begin{array}{r} 9 \\ \times 4 \\ \hline 36 \end{array}$$

$$\begin{array}{r} 2 \\ \times 9 \\ \hline 18 \end{array}$$

$$\begin{array}{r} 9 \\ \times 5 \\ \hline 45 \end{array}$$

$$\begin{array}{r} 0 \\ \times 9 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 1 \\ \times 9 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 10 \\ \times 9 \\ \hline 90 \end{array}$$

$$\begin{array}{r} 6 \\ \times 9 \\ \hline 54 \end{array}$$

$$\begin{array}{r} 8 \\ \times 9 \\ \hline 72 \end{array}$$

$$\begin{array}{r} 9 \\ \times 7 \\ \hline 63 \end{array}$$

$$\begin{array}{r} 5 \\ \times 9 \\ \hline 45 \end{array}$$

$$\begin{array}{r} 7 \\ \times 9 \\ \hline 63 \end{array}$$

$$\begin{array}{r} 4 \\ \times 9 \\ \hline 36 \end{array}$$

$$\begin{array}{r} 9 \\ \times 2 \\ \hline 18 \end{array}$$

$$\begin{array}{r} 9 \\ \times 6 \\ \hline 54 \end{array}$$



Fill in the multiplication chart.

x	1	2	3	4	5	6	7	8	9	10
9	9	18	27	36	45	54	63	72	81	90

Two-Digit Multiplication Practice



For each problem below, multiply and regroup if necessary. Be sure to show all of your work.

$$\begin{array}{r} 63 \\ 1) \times 2 \\ \hline 126 \end{array}$$

$$\begin{array}{r} 18 \\ 5) \times 4 \\ \hline 72 \end{array}$$

$$\begin{array}{r} 11 \\ 9) \times 7 \\ \hline 77 \end{array}$$

$$\begin{array}{r} 12 \\ 13) \times 1 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 13 \\ 17) \times 3 \\ \hline 39 \end{array}$$

$$\begin{array}{r} 14 \\ 2) \times 5 \\ \hline 70 \end{array}$$

$$\begin{array}{r} 10 \\ 6) \times 6 \\ \hline 60 \end{array}$$

$$\begin{array}{r} 15 \\ 10) \times 4 \\ \hline 60 \end{array}$$

$$\begin{array}{r} 47 \\ 14) \times 3 \\ \hline 141 \end{array}$$

$$\begin{array}{r} 23 \\ 18) \times 4 \\ \hline 92 \end{array}$$

$$\begin{array}{r} 24 \\ 3) \times 3 \\ \hline 72 \end{array}$$

$$\begin{array}{r} 30 \\ 7) \times 2 \\ \hline 60 \end{array}$$

$$\begin{array}{r} 60 \\ 11) \times 8 \\ \hline 480 \end{array}$$

$$\begin{array}{r} 77 \\ 15) \times 3 \\ \hline 231 \end{array}$$

$$\begin{array}{r} 42 \\ 19) \times 5 \\ \hline 210 \end{array}$$

$$\begin{array}{r} 12 \\ 4) \times 3 \\ \hline 36 \end{array}$$

$$\begin{array}{r} 17 \\ 8) \times 4 \\ \hline 68 \end{array}$$

$$\begin{array}{r} 86 \\ 12) \times 2 \\ \hline 172 \end{array}$$

$$\begin{array}{r} 29 \\ 16) \times 8 \\ \hline 232 \end{array}$$

$$\begin{array}{r} 34 \\ 20) \times 3 \\ \hline 102 \end{array}$$