For Good
MEASURE

Table of Contents

For Good Measure

Hours, Days, and Weeks

**Answer the questions by converting the units of time.
Remember, 1 day equals 24 hours and 1 week equals 7 days.**

Grandma knitted a scarf for me in 2 weeks. How many days did it take her?

**Mr. Waterstone wrote a letter to Ms. Jacobs. It took 4 weeks to arrive.
How many days did it take?**

**Tom rode a hot air balloon across the ocean. He was on the balloon for 3 days.
How many hours was he on the balloon?**

**It took Mr. Carpenter a week and one day to fix the fence. How many hours did
he spend fixing the fence?**

**Meg read a book in 3 weeks, 2 days, and 3 hours. How many hours did she
spend reading the book?**

Time Flies!

Answer the questions about time.

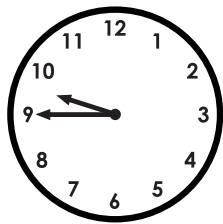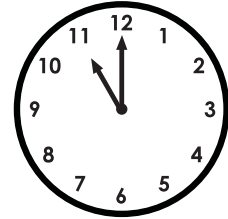Patricia and Barton ate brunch from 11:00 a.m. to 12:30 p.m. How long were they eating brunch?

_____

Jack went to the lake to go fishing at 9:45 a.m. and left the lake at 11:30 a.m. How long was he fishing?

_____

Rich went for a 1 hour hike with his brother. They started at 1:15 p.m. What time did they finish their hike?

_____
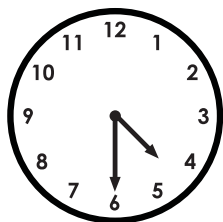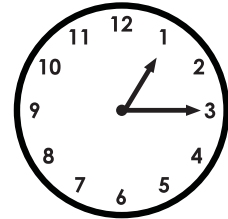
Seiler started his homework at 4:30 p.m. and finished at 5:15 p.m. How long did he work on his homework?

_____

May put her pie in the oven at 6:30 p.m. The pie baked for 2 hours and 30 minutes. What time did she take the pie out?

_____
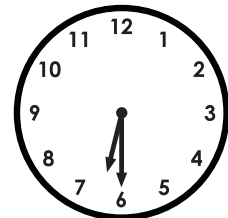
A Matter of Time

Answer the questions about time.

Janey went to the library at 3:45 p.m. and left at 7:45 p.m. How long was she at the library?

_____

Nikki went to a concert that started at 2:30 p.m. It ended at 4:00 p.m. How long was the concert?
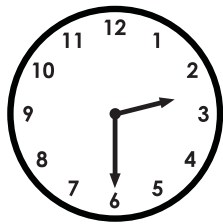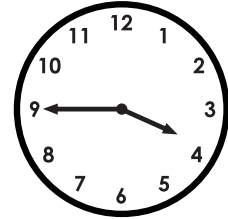
_____

Joji went to the park at 10:45 a.m. and left at 12:00 p.m. How long was he at the park?
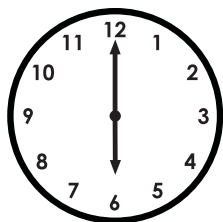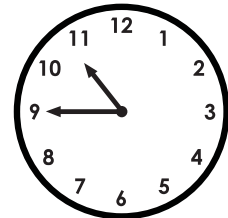
_____

Mike went to see a movie at the theater that was 1 hour and 45 minutes long. It started 6:00 p.m. What time did it end?

_____

It started snowing outside at 5:30 p.m. It stopped snowing at 6:45 p.m. How long did it snow?

_____
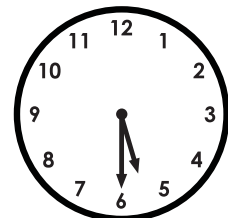
3rd Grade

Length

Practice Reading Measurement

Write the correct length in the box.

How long is the snake?

Inch

0 1 2 3 4 5 6 7

How long is the necklace?

Inch

0 1 2 3 4 5 6 7

How long is the bridge?

Feet

0 5 10 15 20 25 30 35 40

How long is the train?

Feet

0 10 20 30

Mark it!

Practice Identifying Measurement

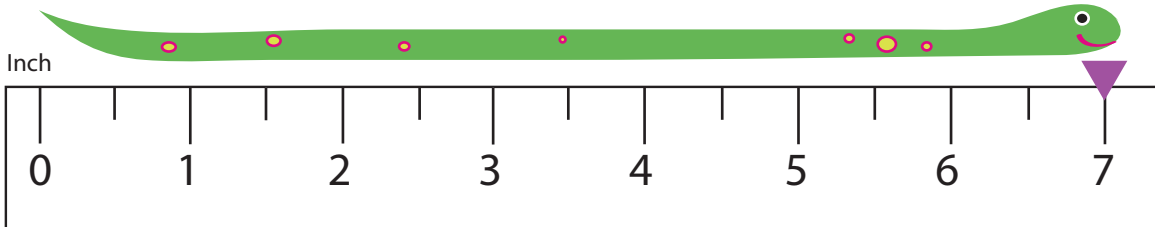Mark the length of the object on the ruler. See the example.

This carrot is 2.5 inches long.

Inch

0 1 2 3 4 5

Mr. Smith's saw is 5 inches long.

Inch

0 1 2 3 4 5

Minnie draws a line 4 feet long.

Feet

0 2 4 6 8 10 12 14

The princess' braid is 7.5 feet long.

Feet

0 5 10 15 20 25 30 35 40

The dragon's tail is 11.5 feet long.

Feet

0 10 20 30

More worksheets at www.education.com/worksheets

Distance

Practice Reading Measurement

Write the correct distance in the box.

How far did the ladybug travel?

Inch

| 0 | 1 | 2 | 3 | 4 | 5 |

How far did the snail travel?

Inch

| 0 | 1 | 2 | 3 | 4 | 5 |

How far did the duck swim?

Feet

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |

How far is my house from yours?

Mile

| 0 | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 |

How far is the bakery from the bank?

Mile

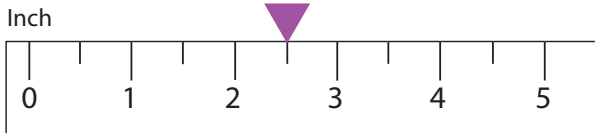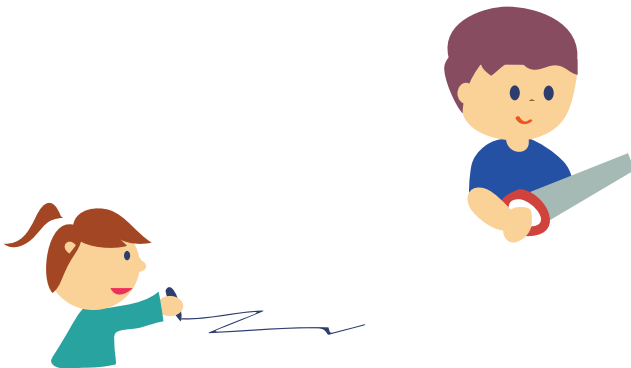| 0 | 10 | 20 | 30 |

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Jump!

Practice Identifying Measurement

Mark the height of each jump on the ruler. See the example.

This snail can jump
1 inch high.

5
4
3
2
1
0

This frog can jump
3.5 inches high.

5
4
3
2
1
0

This giraffe
can jump
32 feet high.

60
40
20
0

This monkey
can jump
7 feet high.

21
18
15
12
9
6
3
0

This penguin
can jump
6.5 feet high.

15
10
5
0

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Match it!

Identify the Metric System

Draw a line to match the US units with the closest metric unit. Then answer the questions below using the correct metric unit of measurement.

The U.S. System	The Metric System
inch	kilogram
mile	liter
Fahrenheit	centimeter
feet	gram
gallon	kilometer
pound	square meter
ounce	Celsius
acre	meter

Questions

1. Which units do we use to tell the temperature?

2. Which units do we use to buy meat in the supermarket?
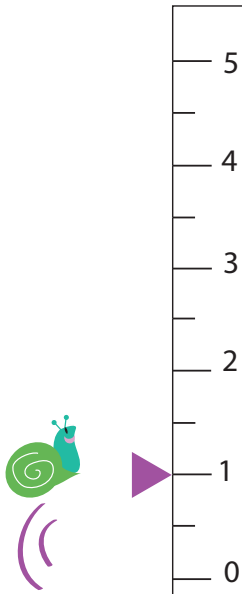
3. Which units do we use to measure the area of the land?

4. Which units do we use when we measure the volume of liquids?

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The Metric System

3rd Grade

Choose the correct metric measurement from the word bank below, and write it in the box.

1. My house is 15 [   ] from school.

2. Brr!! It is -2 degrees [   ] in London while it is 14 degrees [   ] in San Francisco.

3. The butcher sold 5 [   ] of pork to Mr. Smith.

4. Sammy drinks 1 [   ] of lemonade after her workout.

5. This palm tree is 2 [   ] taller than the shrub.

6. Lisa's ponytail is 12 [   ] long.

kilograms	Fahrenheit	feet	pounds
miles		inches	Celsius
liter	quart	centimeters	meters	kilometers

Track and Field

Practice Changing Units

Answer the problems below. Don't forget to change the units of measurements. Show your work.
*Remember: * 1 meter equals 100 centimeters*
*** 1 kilometer equals 1000 meters*

Marathon

1. James ran 2 kilometers at the meet on Saturday.   How many meters did he run?

2. Alison ran 70 meters.   How many kilometers did she run?

3. Who ran more: Alison or James?

Hammer Throw

1. Jeff threw the hammer 86 meters. How far did he throw it in centimeters?

2. Julie threw the hammer at 74 meters. How far did she throw it in centimeters?

3. Combine Julie and Jeff's throws. How far did they throw together in centimeters?
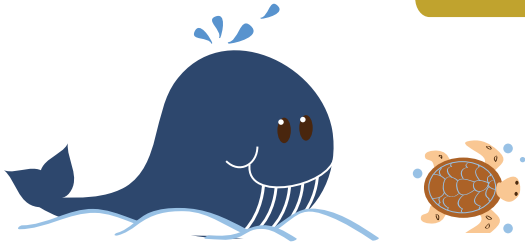
Pole Vault

1. Kelly jumped 6 meters, 45 centimeters on her first jump. How high did she jump in centimeters?

2. Alex jumped 5 meters, 99 centimeters. How high did he jump in centimeters?

3. What is the difference in centimeters between Kelly's jump and Alex's jump?
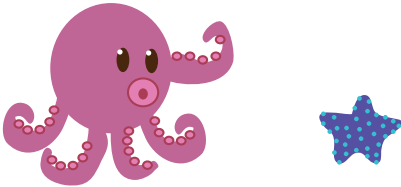
Learning about Weight

Word Problems

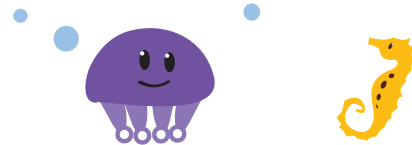Answer the questions below and show your work.

This whale weighs 1000 kilograms.
This sea turtle weighs 50 kilograms.
How much heavier is the whale?

This lion weighs 150 kilograms.
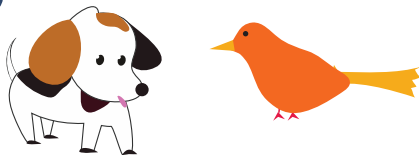This rabbit weighs 2 kilograms.
How much heavier is the lion?

This octopus weighs 75 kilograms.
Theis starfish weighs 5 kilograms.
How much heavier is the octopus?

This jellyfish weighs 18 grams.
This seahorse weighs 2 grams.
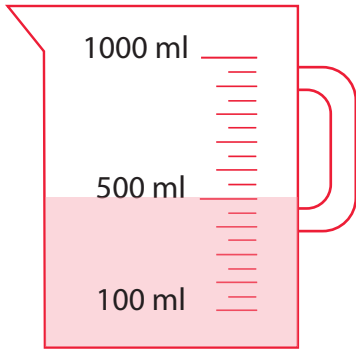How much heavier is the jellyfish?

Challenge!

This dog weighs 10 kilograms. This robin weighs 5 grams.
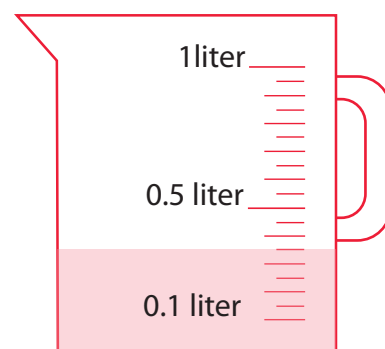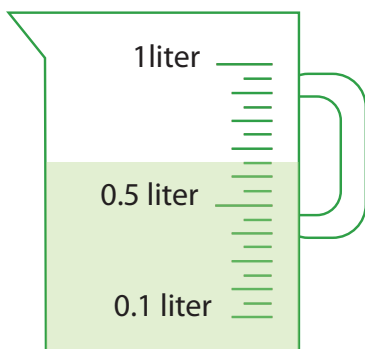How much heavier is the dog? (*Hint: 1 kilogram is equal to 1000 grams).

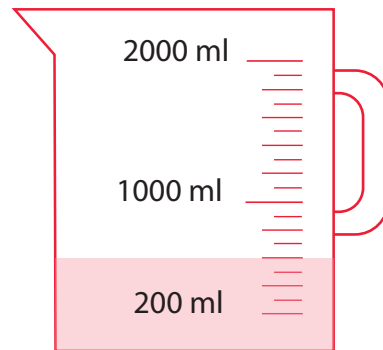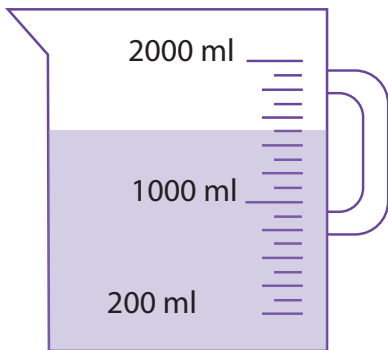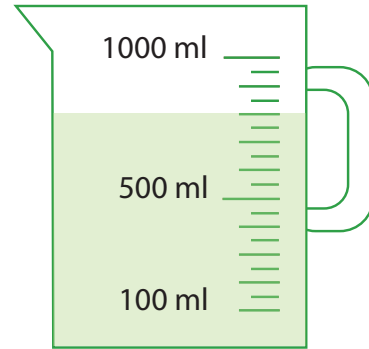More worksheets at www.education.com/worksheets

Juice in a Jug

Practice Reading Measurement

How much juice is in each jug? Write the correct amounts in the box.
* 1 Liter (L) equals 1000 milliliters (ml).

1000 ml

500 ml

100 ml

500 ml

1000 ml

500 ml

100 ml

2000 ml

1000 ml

200 ml

2000 ml

1000 ml

200 ml

1liter

0.5 liter

0.1 liter
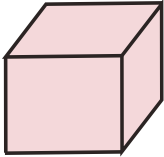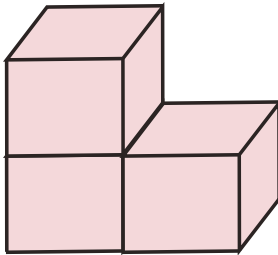
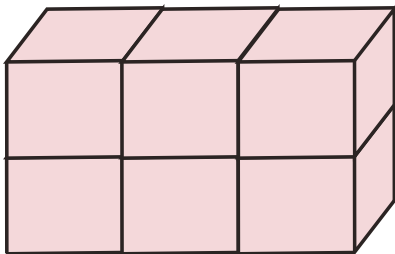---

1liter

0.5 liter

0.1 liter

Counting Volume

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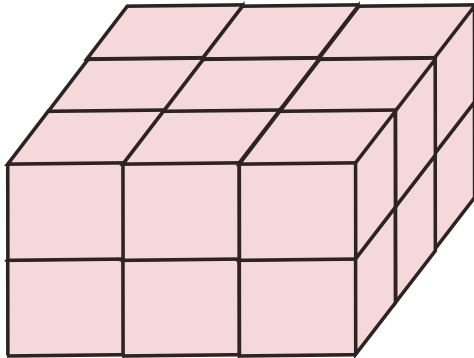**Note: some squares cannot be seen in a picture, but you know they are there.**

1 cubic unit

3 cubic units

_____

_____

_____

_____

Choose The Unit: Liquid Volume

Which measurement would you use for each item? Choose the correct one from the word bank below and write it down to complete the sentence.

ounce

cups

gallon

gallons

cups

This eyedropper holds 0.5 _____ of water.

This milk carton holds a half _____ of milk.

This swimming pool holds 5,000 _____ of water .

This glass hold 2 _____ of orange juice.

This bowl contains 10 _____ of fruit punch.

3rd Grade

Learning about Volume

Word Problems
Answer the questions below and show your work.
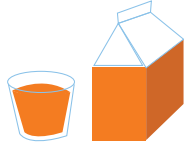
This glass holds 200 milliliters of orange juice.
This box holds 500 milliliters of orange juice.
How much more does the box hold?
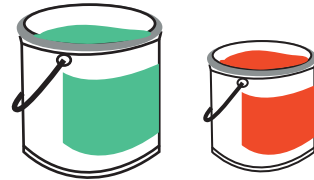
There are 550 milliliters of red paint in one can.
There are 720 milliliters of green paint in the other.
How much more of the green paint is there?

Marlene produced 200 liters of milk. Hallie produced 317 liters of milk.
How much more did Hallie produce?

The chef used 100 milliliters of cooking oil to fry chicken wings. He used 78 milliliters of cooking oil to fry onions. How much more oil did he use for the chicken wings?

Challenge!

There are 10 liters of punch at the party.
How many milliliters are there?
(*Hint: 1 liter is equal to 1000 milliliters)
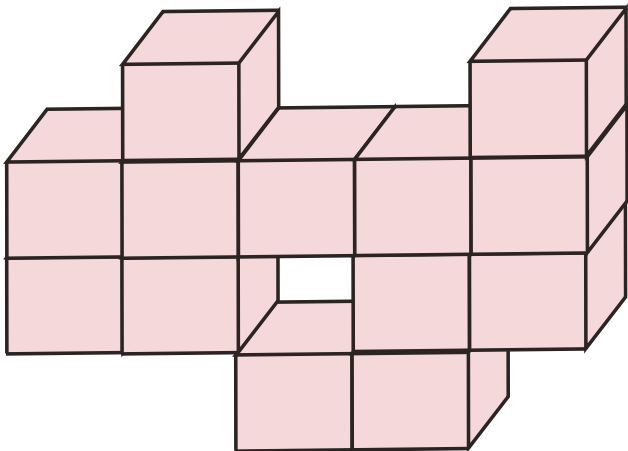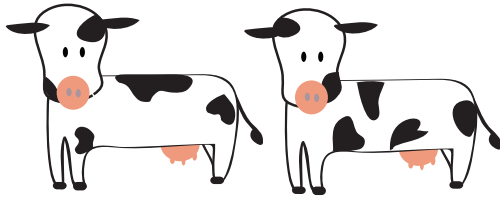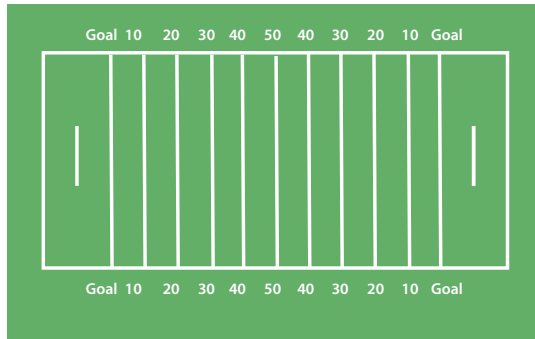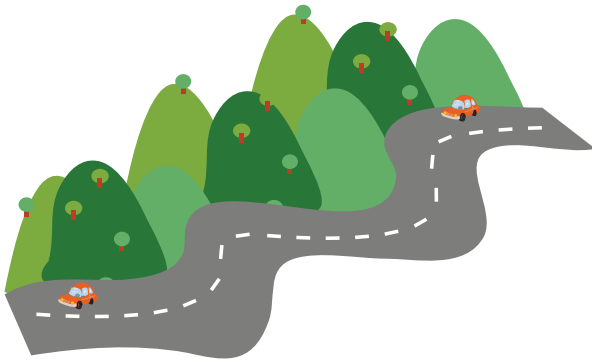
Choose The Unit: Length

Which measurement would you use for each item? Choose the correct one from the word bank below and write it down to complete the sentence.

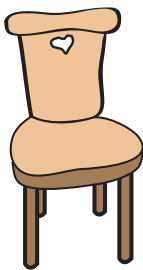|		
miles	inches	miles
yards	feet	yards

The football field measures 100 _____ long and 53 _____ wide.

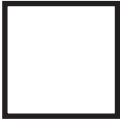We drove 60 _____ this weekend.

This pencil is 2 _____ high.
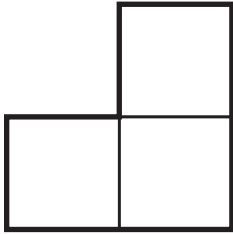
Grandma's new chair is 21 _____ wide.

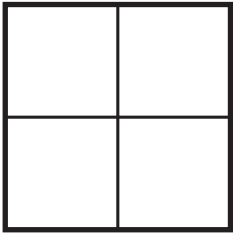The width of California is 250 _____.

Counting Area

Find the areas below by counting the square units and write down the answers.
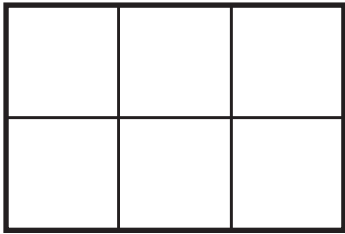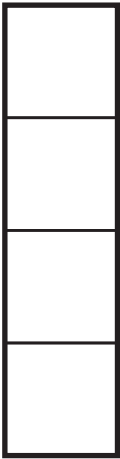Then, draw square units to make the area. See the example.

= 1 square unit

= 3 square units

= _____

= _____

= _____

= _____
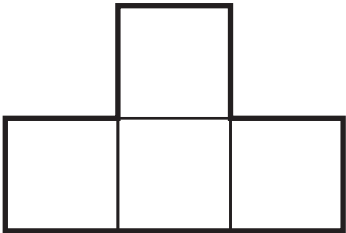
Now draw 7 square units of area and 8 square units of area.

3 square 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.
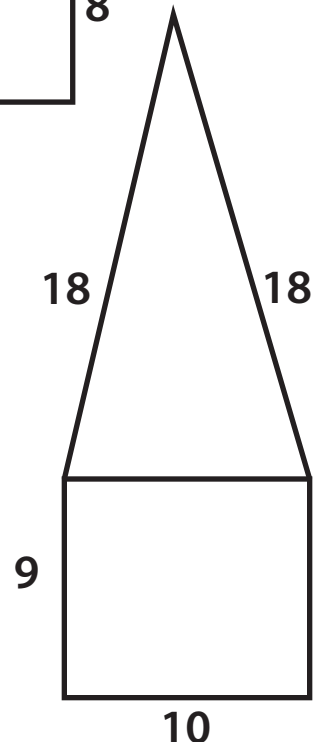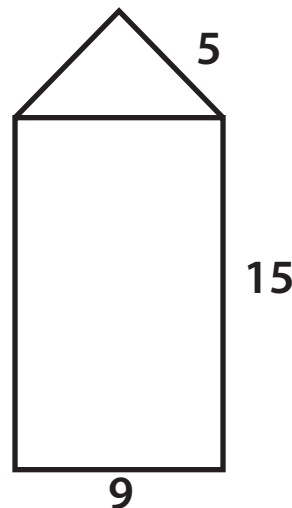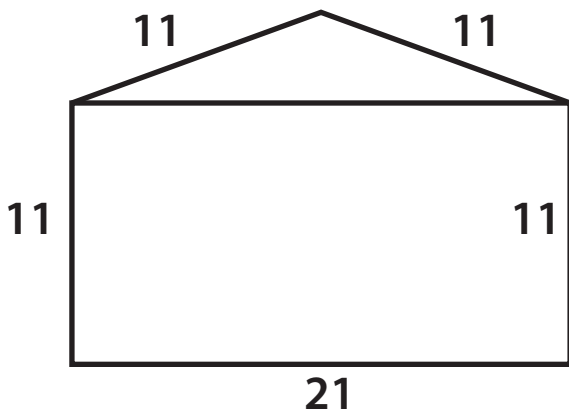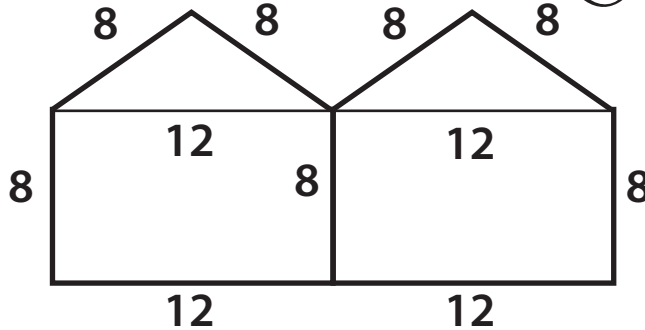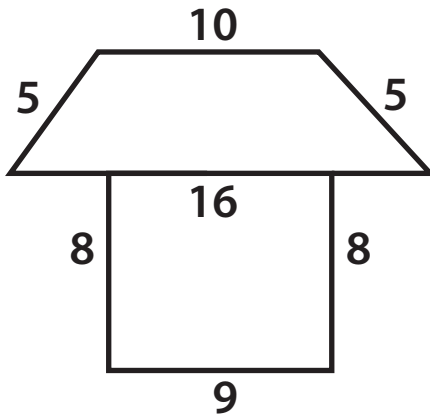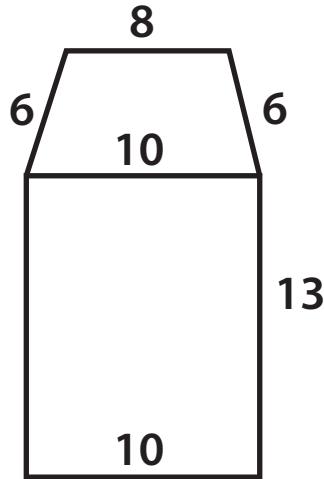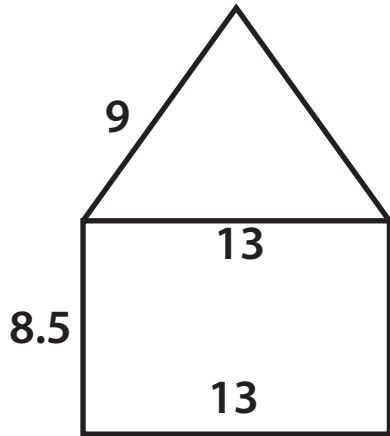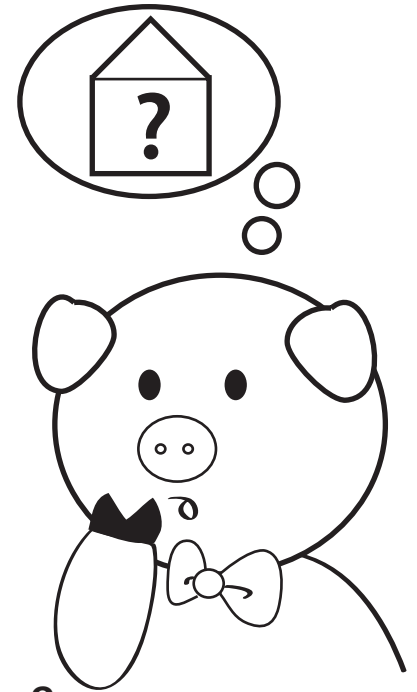
Run, Run, Run! Practicing the Perimeter

Help the runner pick the route to train for each week.
Each week his run should be longer than the week before.
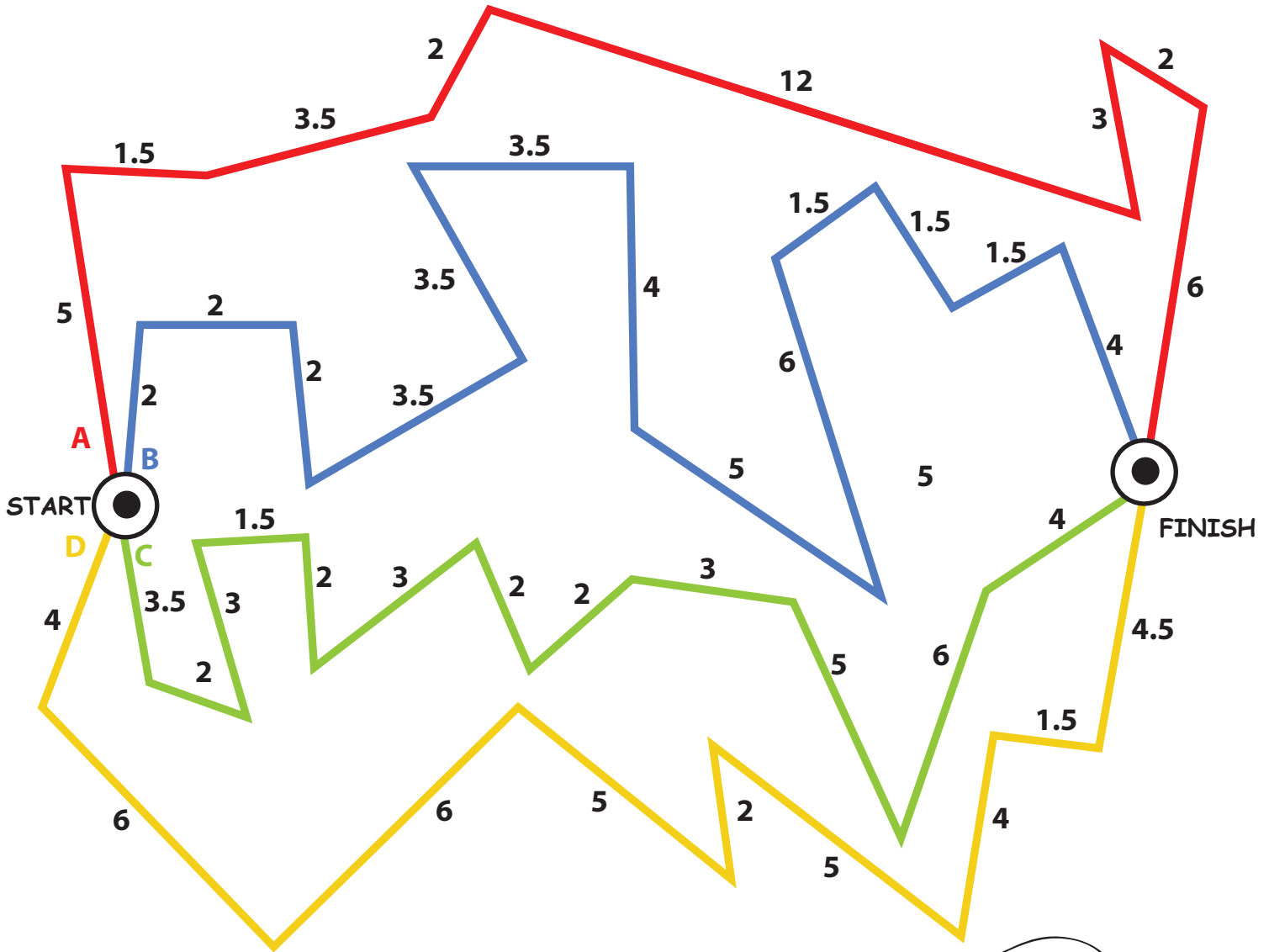
Write the training route here

Week 1: Route ___
Week 2: Route ___
Week 3: Route ___
Week 4: Route ___

Find The Missing Side

Perimeter is the distance around a shape. It can be found by finding the sum of all the shape's sides.
Look at the shapes below. Find the length of the missing sides using the information given.
Write your answers in the space provided.
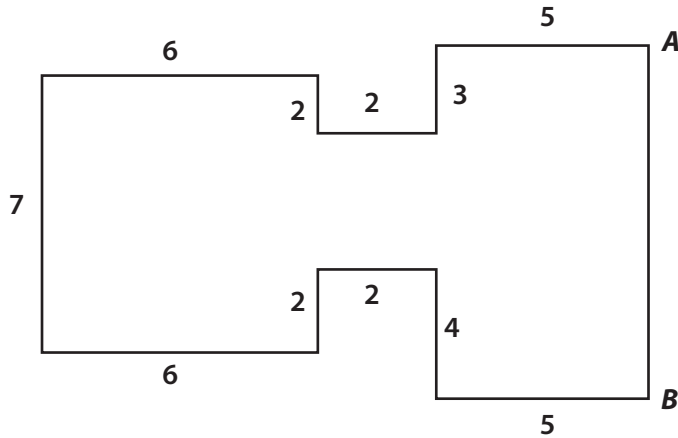
The perimeter of this object is **54** inches long.

Find the length of **AB**.
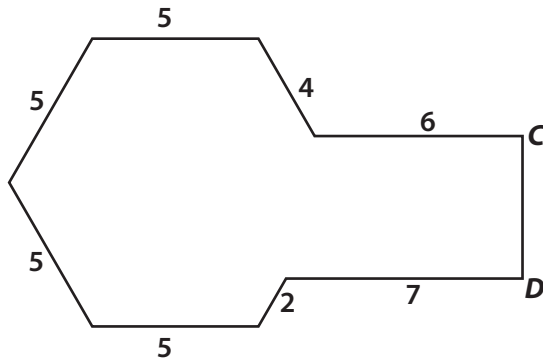
The perimeter of this object is **43** inches long.

Find the length of **CD**.
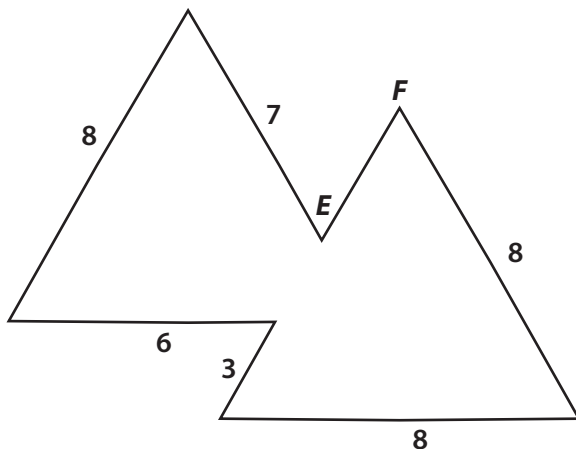
The perimeter of this object is **43** inches long.

Find the length of **EF**.

Great job!

_____

is an Education.com math superstar

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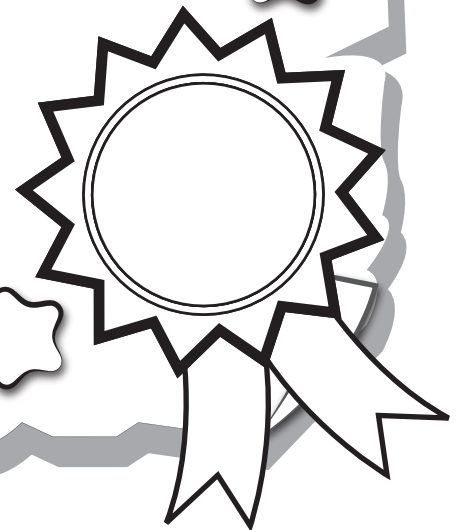
Answer Sheets

For Good Measure

Hours, Days, and Weeks
Time Flies!
A Matter of Time
Length: Practice Reading Measurement
Mark It! Practice Identifying Measurement
Distance: Practice Reading Measurement
Jump!: Practice Identifying Measurement
Match It! Identify the Metric System
The Metric System
Track and Field: Practice Changing Units
Learning About Weight Word Problems
Juice in a Jug: Practice Reading Measurement
Counting Volume
Choose the Unit: Liquid Volume
Learning About Volume Word Problems
Choose the Unit: Length
Counting Area
Piggy's House Hunting: Find the Perimeter
Run, Run, Run: Practicing the Perimeter
Find the Missing Side

Answer Sheet

Math Time

Hours, Days, and Weeks

Answer the questions by converting the units of time.
Remember, 1 day equals 24 hours and 1 week equals 7 days.

Grandma knitted a scarf for me in 2 weeks. How many days did it take her?

(2 weeks) x (7 days) = 14 days
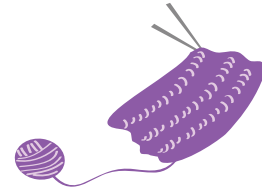
Mr. Waterstone wrote a letter to Ms. Jacobs. It took 4 weeks to arrive.
How many days did it take?

(4 weeks) x (7 days) = 28 days
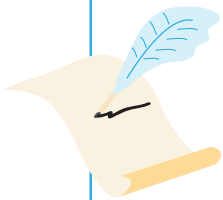
Tom rode a hot air balloon across the ocean. He was on the balloon for 3 days.
How many hours was he on the balloon?

(3 days) x (24 hours) = 72 hours

It took Mr. Carpenter a week and one day to fix the fence. How many hours did
he spend fixing the fence?

(1 week) + (1 day) = 8 days
(8 days) x (24 hours) = 192 hours

Meg read a book in 3 weeks, 2 days, and 3 hours. How many hours did she
spend reading the book?

(3 weeks) + (2 days) = 23 days
(23 days) x (24 hours) = 552 hours
(552 hours) + (3 hours) = 555 hours

Time Flies!

Answer the questions about time.

Patricia and Barton ate brunch from 11:00 a.m. to 12:30 p.m. How long were they eating brunch?

1 hour, 30 minutes
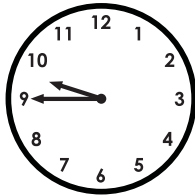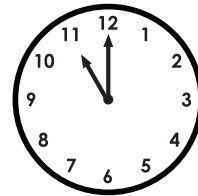
Jack went to the lake to go fishing at 9:45 a.m. and left the lake at 11:30 a.m. How long was he fishing?

1 hour, 45 minutes

Rich went for a 1 hour hike with his brother. They started at 1:15 p.m. What time did they finish their hike?

2:15 p.m.
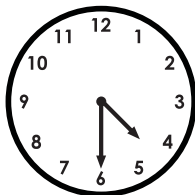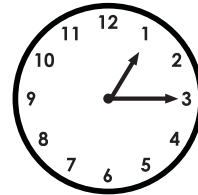
Seiler started his homework at 4:30 p.m. and finished at 5:15 p.m. How long did he work on his homework?

45 minutes

May put her pie in the oven at 6:30 p.m. The pie baked for 2 hours and 30 minutes. What time did she take the pie out?

9:00 p.m.

A Matter of Time

Answer the questions about time.

Janey went to the library at 3:45 p.m. and left at
7:45 p.m. How long was she at the library?

_____**4 hours**_____
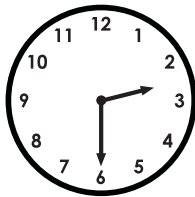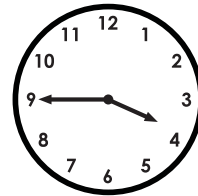
Nikki went to a concert that started at 2:30 p.m.
It ended at 4:00 p.m. How long was the concert?

_____**1 hour, 30 minutes**

Joji went to the park at 10:45 a.m. and left at
12:00 p.m. How long was he at the park?

_____**1 hour, 15 minutes**_____

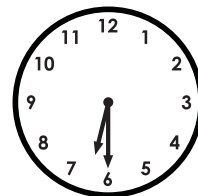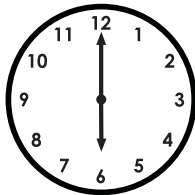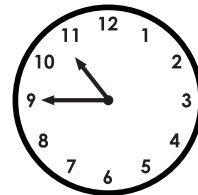Mike went to see a movie at the theater that was
1 hour and 45 minutes long. It started 6:00 p.m.
What time did it end?

_____**7:45 p.m.**_____

It started snowing outside at 5:30 p.m. It stopped
snowing at 6:45 p.m. How long did it snow?

_____**1 hour, 15 minutes**_____

Answer Sheet

Length

Practice Reading Measurement

Write the correct length in the box.

How long is the snake?

Inch

0 1 2 3 4 5 6 7

7"

How long is the necklace?

Inch

0 1 2 3 4 5 6 7

5½"

How long is the bridge?
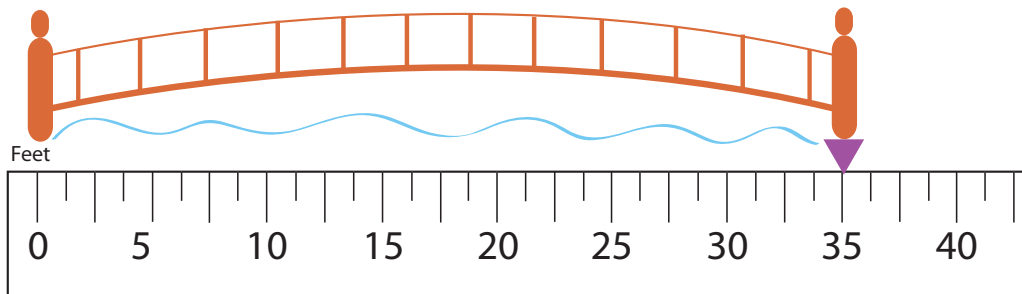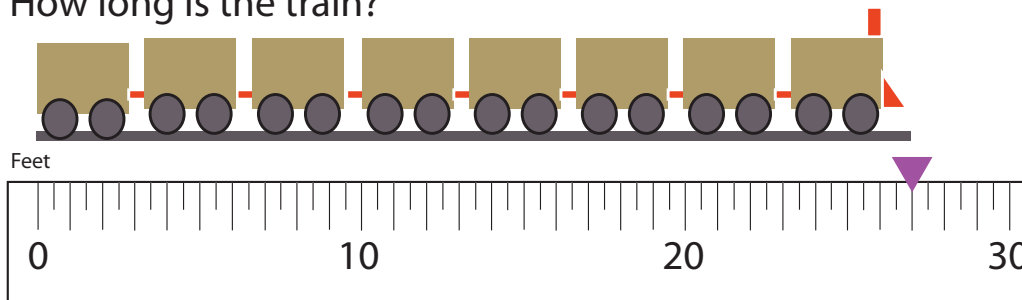
Feet

0 5 10 15 20 25 30 35 40

35'

How long is the train?

Feet

0 10 20 30

27'

Answer Sheet

Mark it!

Practice Identifying Measurement

Mark the length of the object on the ruler. See the example.

This carrot is 2.5 inches long.

Inch

| 0 | 1 | 2 | 3 | 4 | 5 |

Mr. Smith's saw is 5 inches long.

Inch

| 0 | 1 | 2 | 3 | 4 | 5 |

Minnie draws a line 4 feet long.

Feet

| 0 | 2 | 4 | 6 | 8 | 10 | 12 | 14 |

The princess' braid is 7.5 feet long.

Feet

| 0 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 |

The dragon's tail is 11.5 feet long.

Feet

| 0 | 10 | 20 | 30 |

Answer Sheet

Distance

Practice Reading Measurement

Write the correct distance in the box.

How far did the ladybug travel?

2½"

Inch

| 0 | 1 | 2 | 3 | 4 | 5 |

How far did the snail travel?

4"

Inch

| 0 | 1 | 2 | 3 | 4 | 5 |

How far did the duck swim?

Feet

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
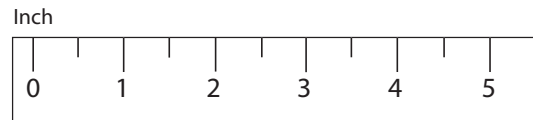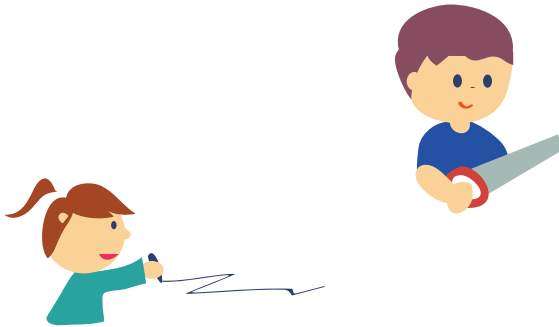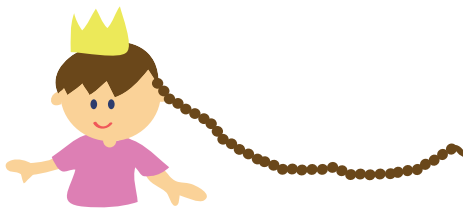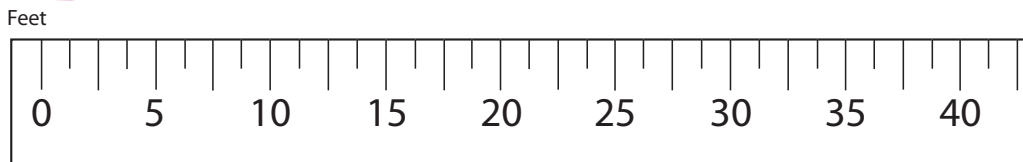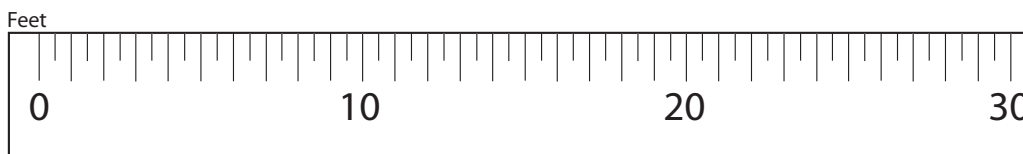
5'

How far is my house from yours?

Mile

| 0 | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 |

13 miles

How far is the bakery from the bank?

Mile
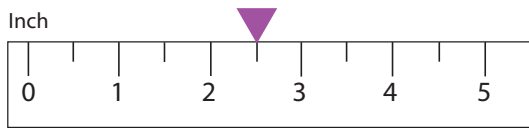
| 0 | 10 | 20 | 30 |
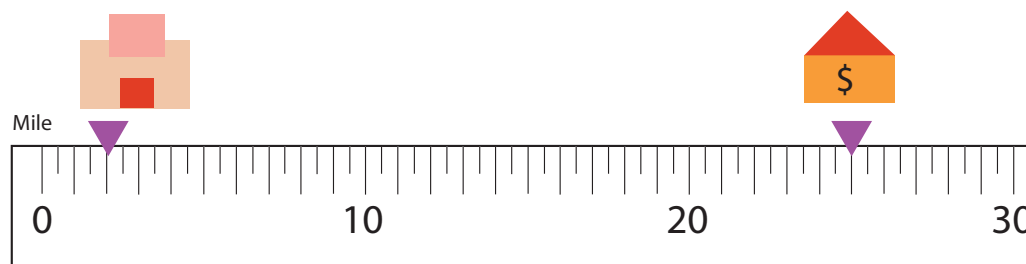
23 miles

Answer Sheet

Jump!

Practice Identifying Measurement

Mark the height of each jump on the ruler. See the example.

This snail can jump 1 inch high.

5
4
3
2
1
0

This frog can jump 3.5 inches high.

5
4
3
2
1
0

This monkey can jump 7 feet high.

21
18
15
12
9
6
3
0

This penguin can jump 6.5 feet high.
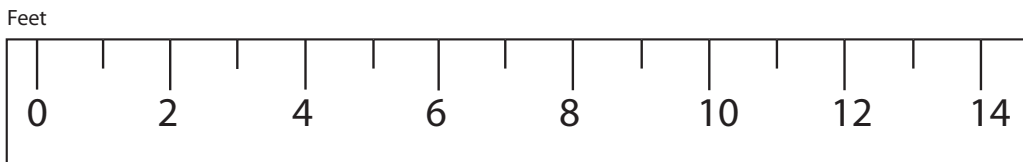
15
10
5
0

This giraffe can jump 32 feet high.

60
40
20
0
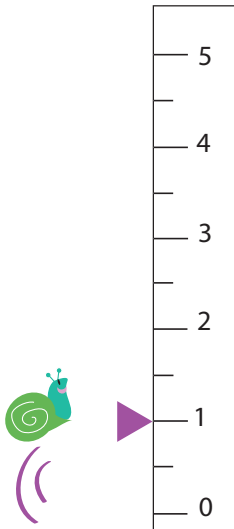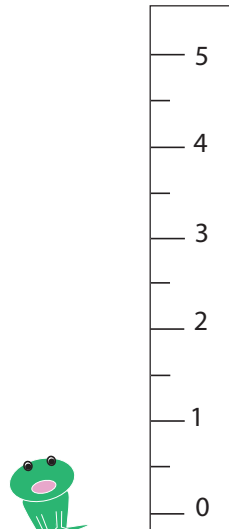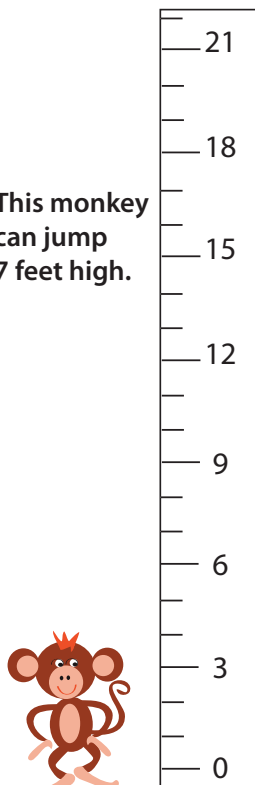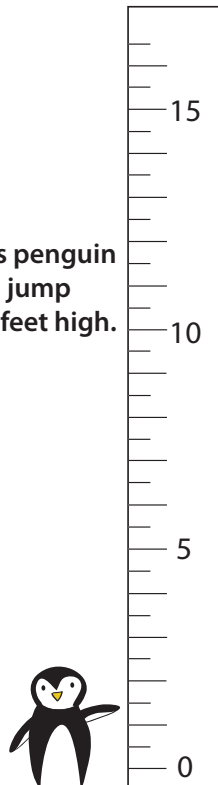
Answer Sheet

Match it!

Identify the Metric System

Draw a line to match the US units with the closest metric unit. Then answer the questions below using the correct metric unit of measurement.

The U.S. System

inch

mile

Fahrenheit

feet

gallon

pound

ounce

acre

The Metric System

kilogram

liter

centimeter

gram

kilometer

square meter

Celsius

meter
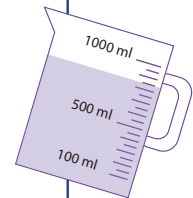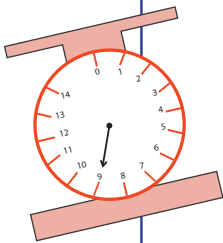
Questions

1. **Which units do we use to tell the temperature?**
   Celcius

2. **Which units do we use to buy meat in the supermarket?**
   Kilograms

3. **Which units do we use to measure the area of the land?**
   Square Meters

4. **Which units do we use when we measure the volume of liquids?**
   Liters

More worksheets at www.education.com/worksheets

Answer Sheet

The Metric System

3rd Grade

Choose the correct metric measurement from the word bank below, and write it in the box.

1. My house is 15 [miles or kilometers] from school.

2. Brr!! It is -2 degrees [Celcius] in London while it is 14 degrees [Celcius] in San Francisco.

3. The butcher sold 5 [kilograms or pounds] of pork to Mr. Smith.

4. Sammy drinks 1 [liter or quart] of lemonade after her workout.

5. This palm tree is 2 [feet or meters] taller than the shrub.

6. Lisa's ponytail is 12 [centimeters or inches] long.

kilograms   Fahrenheit   feet   pounds
miles   inches   Celsius
liter   quart   centimeters   meters   kilometers

Answer Sheet

Track and Field

Practice Changing Units

Answer the problems below. Don't forget to change the units of measurements. Show your work.
*Remember: * 1 meter equals 100 centimeters*
*   ** 1 kilometer equals 1000 meters*

Marathon

1. James ran 2 kilometers at the meet on Saturday.   How many meters did he run?

   2,000 meters

2. Alison ran 70 meters.   How many kilometers did she run?

   0.07 kilometers

3. Who ran more: Alison or James?

   James

Hammer Throw

1. Jeff threw the hammer 86 meters. How far did he throw it in centimeters?

   8,600 centimeters

2. Julie threw the hammer at 74 meters. How far did she throw it in centimeters?

   7,400 centimeters

3. Combine Julie and Jeff's throws. How far did they throw together in centimeters?

   16,000 centimeters

Pole Vault

1. Kelly jumped 6 meters, 45 centimeters on her first jump. How high did she jump in centimeters?

   645 centimeters

2. Alex jumped 5 meters, 99 centimeters. How high did he jump in centimeters?

   599 centimeters

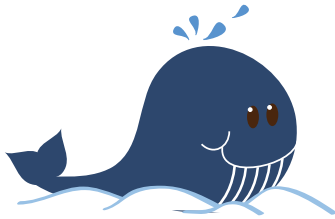3. What is the difference in centimeters between Kelly's jump and Alex's jump?

   46 centimeters

Answer Sheet

Learning about Weight

Word Problems
Answer the questions below and show your work.

1,000kg
- 50kg
950kg

The whale is 950 kilograms heavier than the turtle.
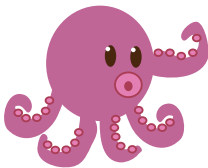
This whale weighs 1000 kilograms.
This sea turtle weighs 50 kilograms.
How much heavier is the whale?

150kg
- 2kg
148kg

The lion is 148 kilograms heavier than the rabbit.

This lion weighs 150 kilograms.
This rabbit weighs 2 kilograms.
How much heavier is the lion?

75kg
- 5kg
70kg

The octopus is 70 kilograms heavier than the starfish.

This octopus weighs 75 kilograms.
Theis starfish weighs 5 kilograms.
How much heavier is the octopus?

18g
- 2g
16g
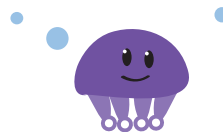
The jellyfish is 16 grams heavier than the seahorse.

This jellyfish weighs 18 grams.
This seahorse weighs 2 grams.
How much heavier is the jellyfish?

Challenge!

10,000g
- 5g
9,995g

The dog is 9,995 grams heavier than the robin.

This dog weighs 10 kilograms. This robin weighs 5 grams.
How much heavier is the dog? (*Hint: 1 kilogram is equal to 1000 grams).

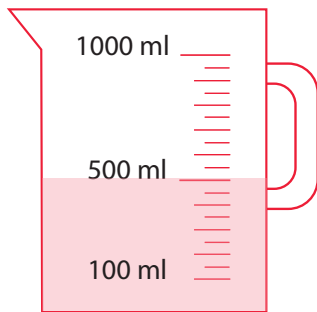**10 kilograms x 1,000 = 10,000 grams**
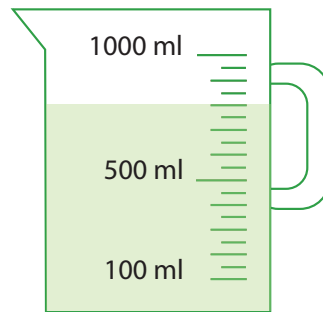
Answer Sheet

Juice in a Jug

Practice Reading Measurement

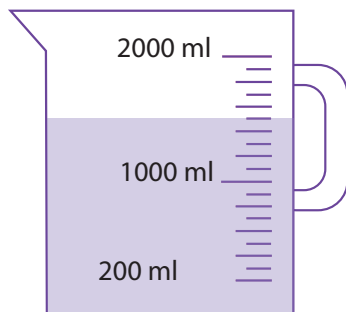How much juice is in each jug? Write the correct amounts in the box.
* 1 Liter (L) equals 1000 milliliters (ml).

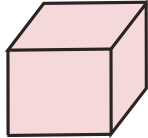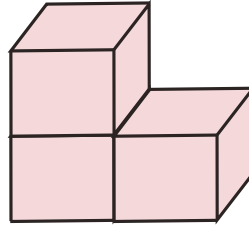|	
1000 ml / 500 ml / 100 ml	1000 ml / 500 ml / 100 ml
500 ml	**800 ml**
2000 ml / 1000 ml / 200 ml	2000 ml / 1000 ml / 200 ml
1500 ml	**500 ml**
1 liter / 0.5 liter / 0.1 liter	1 liter / 0.5 liter / 0.1 liter
0.65 L	**0.35 L**
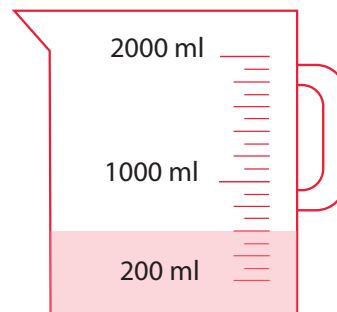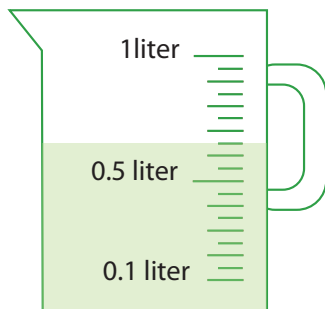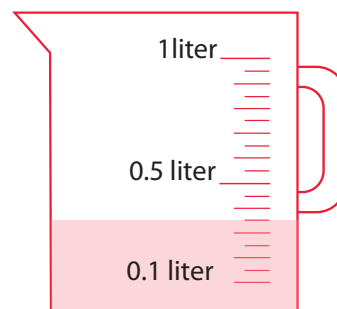
Math
Geometry

Counting Volume

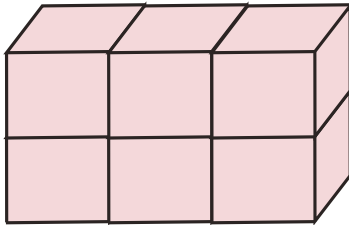Find the volume by counting the cubic units. Write down the answer.
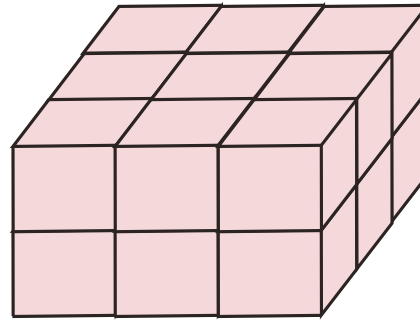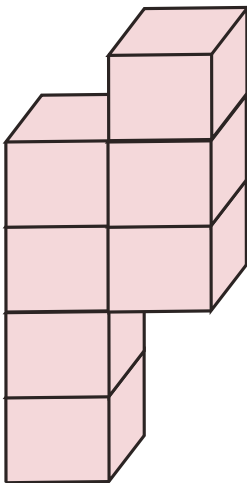Note: some squares cannot be seen in a picture, but you know they are there.

1 cubic unit

3 cubic units

6 cubic units

18 cubic units

7 cubic units
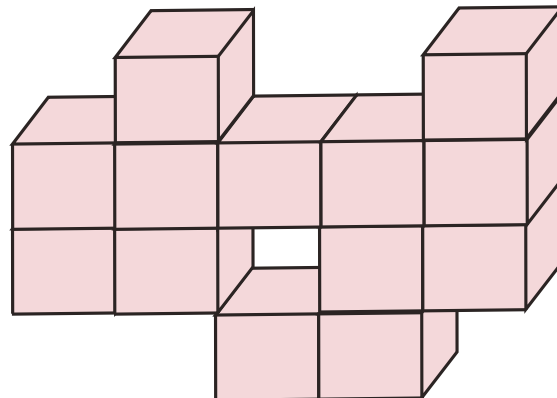
13 cubic units

Math
Geometry

Choose The Unit: Liquid Volume

Which measurement would you use for each item? Choose the correct one from the word bank below and write it down to complete the sentence.

ounce	cups	gallon
gallons	cups	

This eyedropper holds 0.5 _____**ounces**_____ of water.

This milk carton holds a half _____**gallon**_____ of milk.

This swimming pool holds 5,000 _____**gallons**_____ of water .

This glass hold 2 _____**cups**_____ of orange juice.

This bowl contains 10 _____**cups**_____ of fruit punch.

More worksheets at www.education.com/worksheets

Answer Sheet

3rd Grade

Learning about Volume

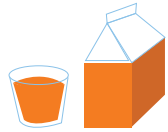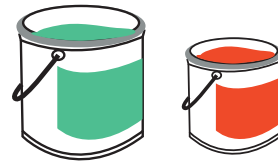### Word Problems
Answer the questions below and show your work.

This glass holds 200 milliliters of orange juice. This box holds 500 milliliters of orange juice. How much more does the box hold?

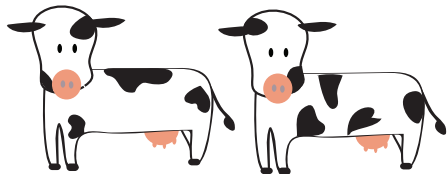$$\begin{array}{r} 500 \\ -\ 200 \\ \hline 300 \end{array}$$

The box holds 300 more milliliters of orange juice than the glass.

$$\begin{array}{r} 720 \\ -\ 550 \\ \hline 170 \end{array}$$

There is 170 more milliliters of green paint than red paint.

There are 550 milliliters of red paint in one can. There are 720 milliliters of green paint in the other. How much more of the green paint is there?

$$\begin{array}{r} 317 \\ -\ 200 \\ \hline 117 \end{array}$$

Hallie produced 117 more liters of milk than Marlene.

Marlene produced 200 liters of milk. Hallie produced 317 liters of milk. How much more did Hallie produce?

$$\begin{array}{r} 100 \\ -\ 78 \\ \hline 22 \end{array}$$

He used 22 more milliliters of oil for the chicken wings than for the onions.

The chef used 100 milliliters of cooking oil to fry chicken wings. He used 78 milliliters of cooking oil to fry onions. How much more oil did he use for the chicken wings?

Challenge!

$$\begin{array}{r} 1{,}000 \\ \times\ 10 \\ \hline 10{,}000 \end{array}$$

There are 10 liters of punch at the party. How many milliliters are there?
(*Hint: 1 liter is equal to 1000 milliliters)
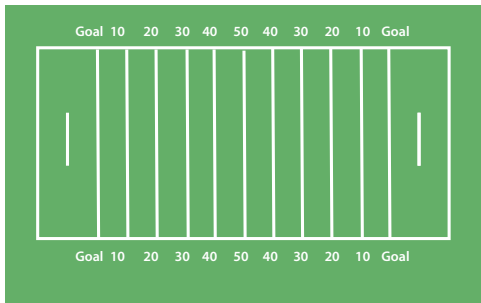
There are 10,000 milliliters of punch at the party.
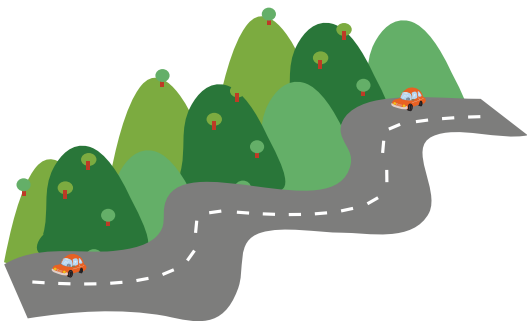
Math Geometry

Choose The Unit: Length

Which measurement would you use for each item? Choose the correct one from the word bank below and write it down to complete the sentence.

miles	inches	miles
yards	feet	yards

The football field measures 100 **yards** long and 53 **yards** wide.

We drove 60 **miles** this weekend.

This pencil is 2 **inches** high.

Grandma's new chair is 21 **inches** wide.

The width of California is 250 **miles** .
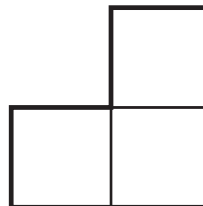
Math
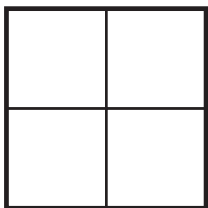**Geometry**

Counting Area

Find the areas below by counting the square units and write down the answers. Then, draw square units to make the area. See the example.
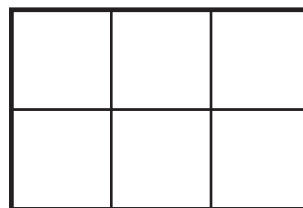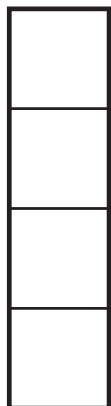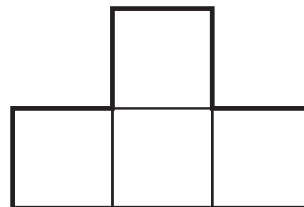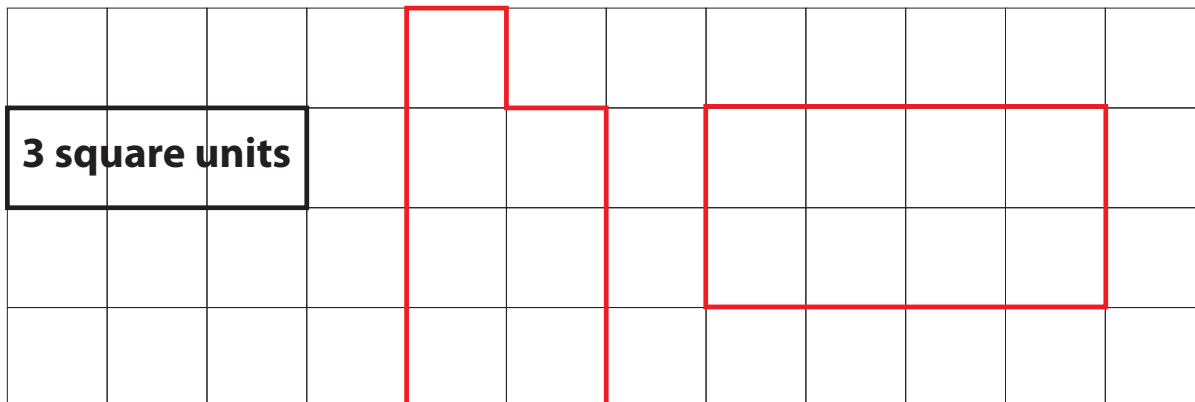
= 1 square unit

= 3 square units

= **4 square units**

= **6 square units**
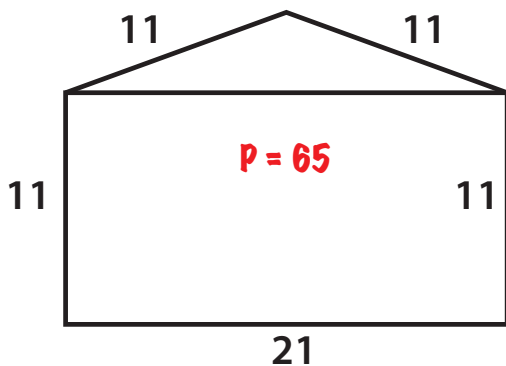
= **4 square units**

= **4 square units**

Now draw 7 square units of area and 8 square units of area.

3 square units

More worksheets at www.education.com/worksheets

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.

9
p = 48
13
8.5
13

8
6
10
6
p = 56
13
10

10
5
p = 52
5
16
8
8
9

8
8
8
8
12
8
12
8
p = 72
12
12

11
11
p = 65
11
11
21

5
p = 49
15
9

18
18
p = 64
9
10

Answer Sheet

Run, Run, Run! Practicing the Perimeter

Help the runner pick the route to train for each week.
Each week his run should be longer than the week before.

Write the training route here

Week 1: Route ___ A = 35 miles ___
Week 2: Route ___ C = 37 miles ___
Week 3: Route ___ D = 38 miles ___
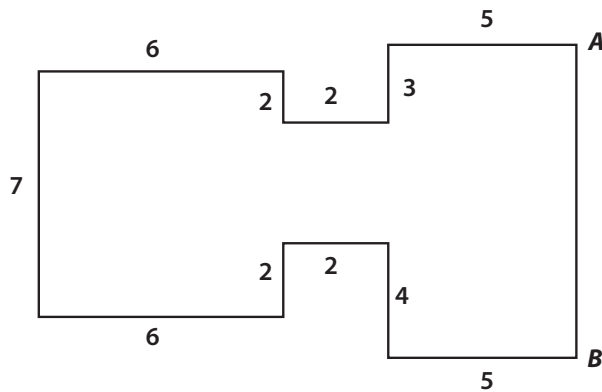Week 4: Route ___ B = 40 miles ___
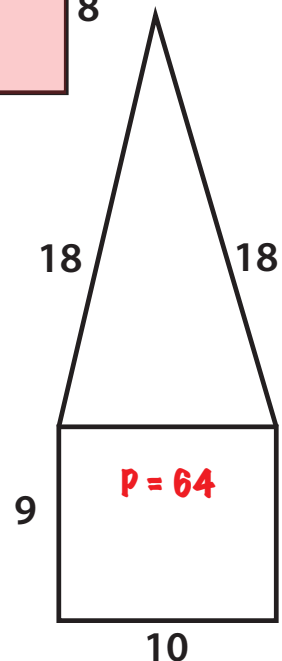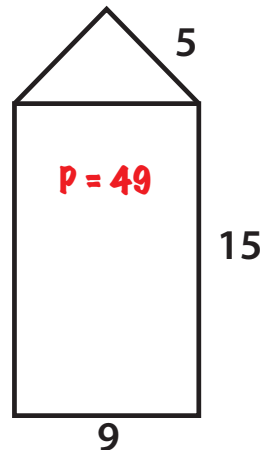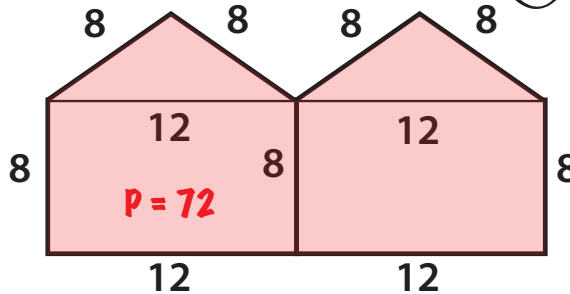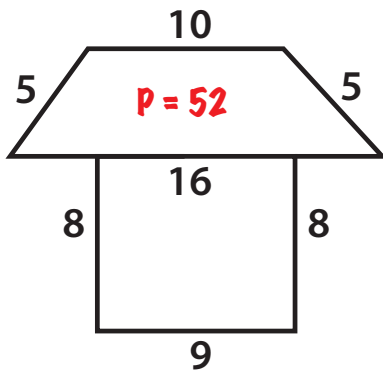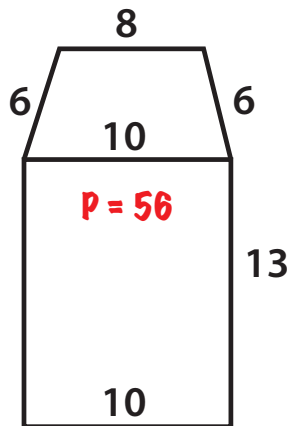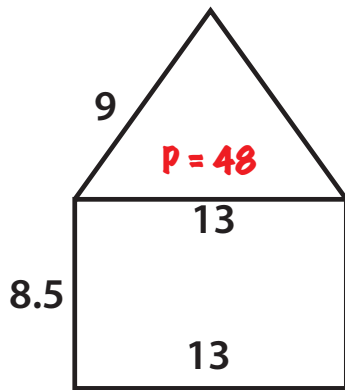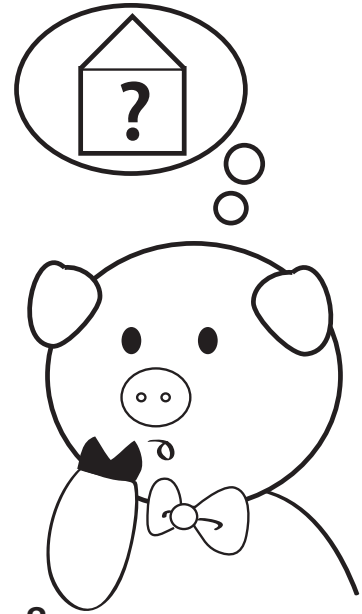
Answer Sheet

Math
Geometry

Find The Missing Side

Perimeter is the distance around a shape. It can be found by finding the sum of all the shape's sides.
Look at the shapes below. Find the length of the missing sides using the information given.
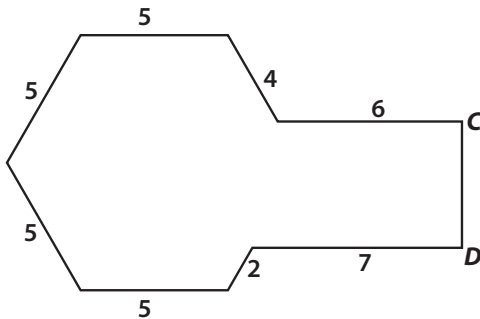Write your answers in the space provided.

The perimeter of this object is **54** inches long.

Find the length of AB.

54 - 5 - 3 - 2 - 2 - 6 - 7 - 6 - 2 - 2 - 4 - 5 = 10

The length of AB is 10 inches.

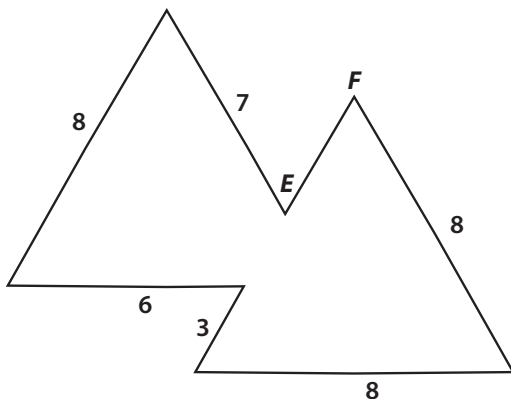The perimeter of this object is **43** inches long.

Find the length of CD.

43 - 6 - 4 - 5 - 5 - 5 - 5 - 2 - 7 = 4

The length of CD is 4 inches.

The perimeter of this object is **43** inches long.

Find the length of EF.

43 - 8 - 8 - 3 - 6 - 8 - 7 = 3

The length of EF is 3 inches.

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