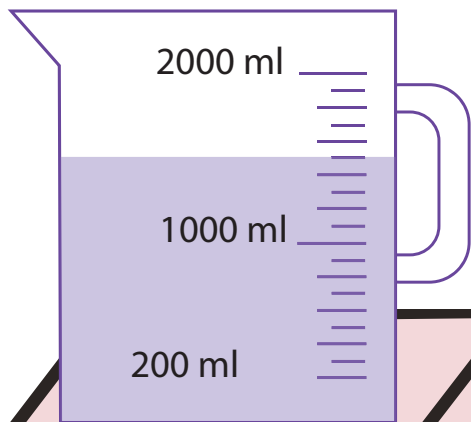


For Good

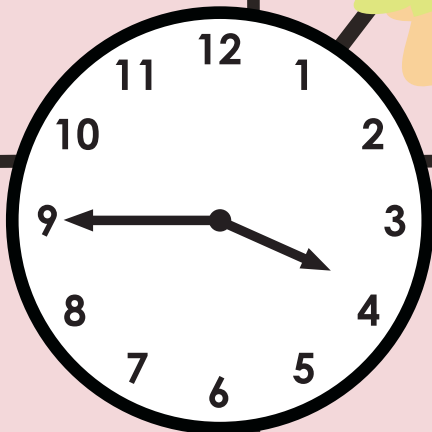
# MEASURE

3<sup>RD</sup>  
Grade



Liquid, solid,  
big and small,  
let's measure them all!  
I wonder how long  
it will take?

3 Cubic Units



Feet

40

20

# Table of Contents

---

## 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 \*

*Certificate of Completion*

*Answer Sheets*

*\* Has an Answer Sheet*

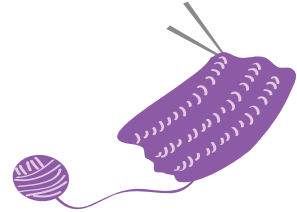
Want more workbooks? Join Education.com Plus to save time and money.  
<http://www.education.com/education-plus/>

# Hours, Days, and Weeks

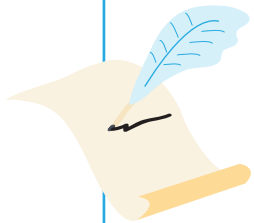
Answer the questions by converting the units of time.

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?

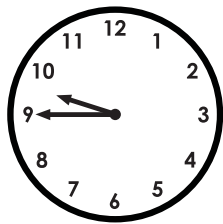
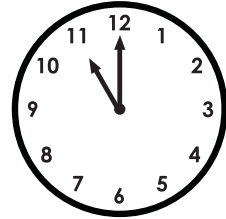


# Time Flies!

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?

\_\_\_\_\_

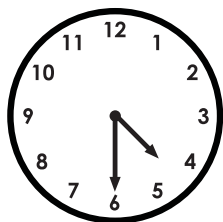
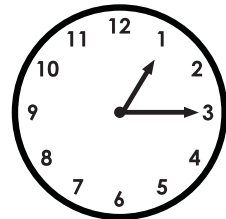


Jack went to the lake to go fishing at 9:45 a.m. and left the lake at 11:30 a.m. How long was he fishing?

\_\_\_\_\_

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

\_\_\_\_\_

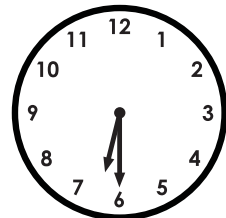


Seiler started his homework at 4:30 p.m. and finished at 5:15 p.m. How long did he work on his homework?

\_\_\_\_\_

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?

\_\_\_\_\_

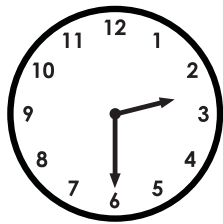
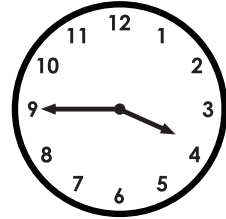


# A Matter of Time

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?

\_\_\_\_\_

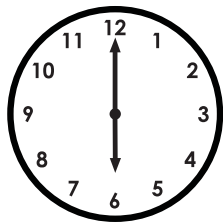
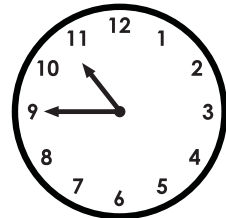


Nikki went to a concert that started at 2:30 p.m. It ended at 4:00 p.m. How long was the concert?

\_\_\_\_\_

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

\_\_\_\_\_

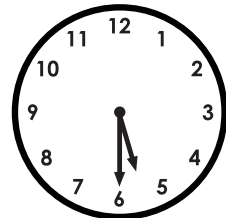


Mike went to see a movie at the theater that was 1 hour and 45 minutes long. It started 6:00 p.m. What time did it end?

\_\_\_\_\_

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

\_\_\_\_\_



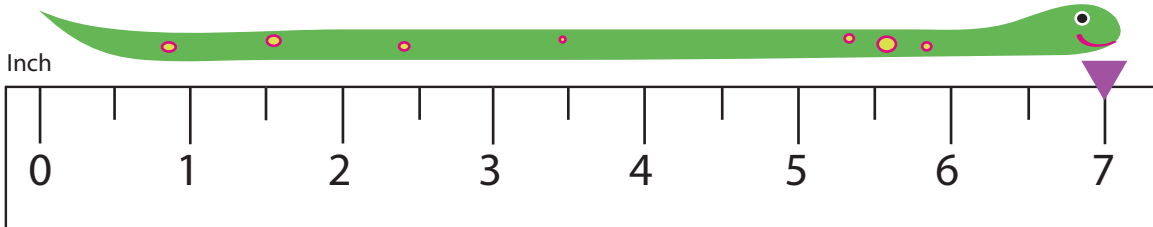
3rd  
Grade

# Length

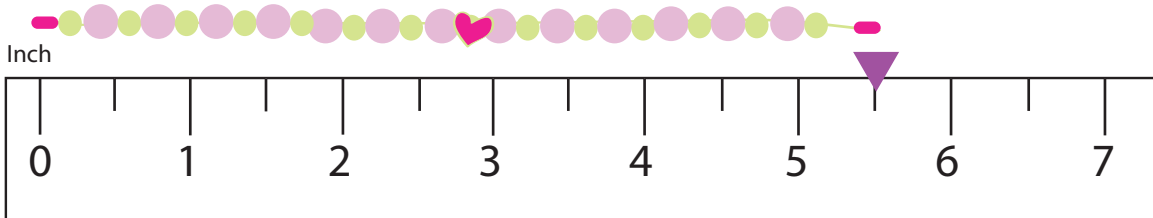
## Practice Reading Measurement

Write the correct length in the box.

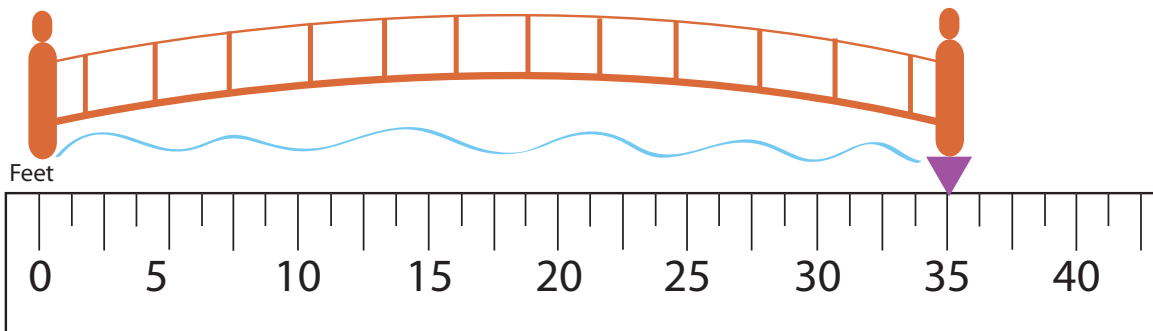
How long is the snake?



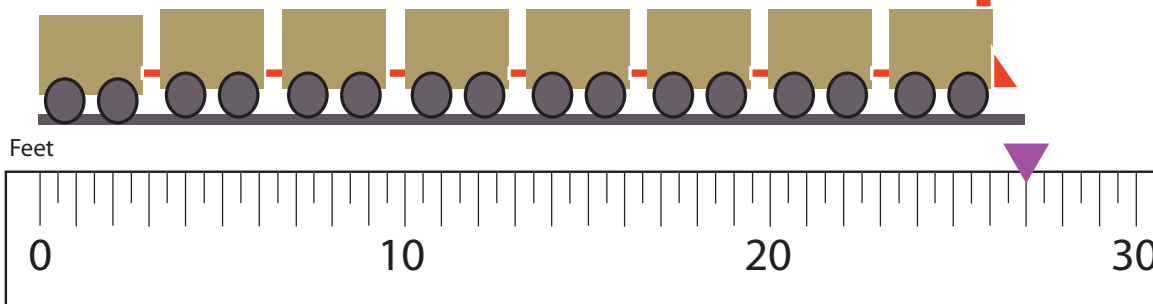
How long is the necklace?



How long is the bridge?



How long is the train?



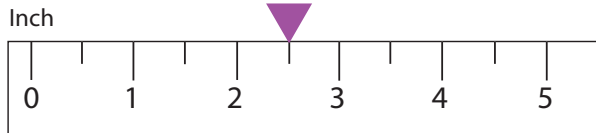
# Mark it!

## Practice Identifying Measurement

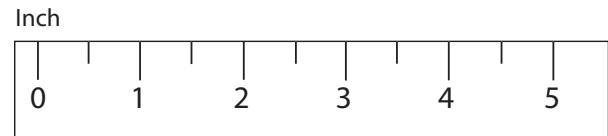
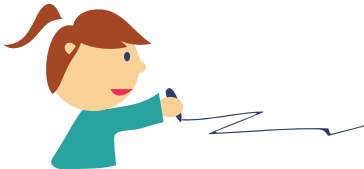
Mark the length of the object on the ruler. See the example.



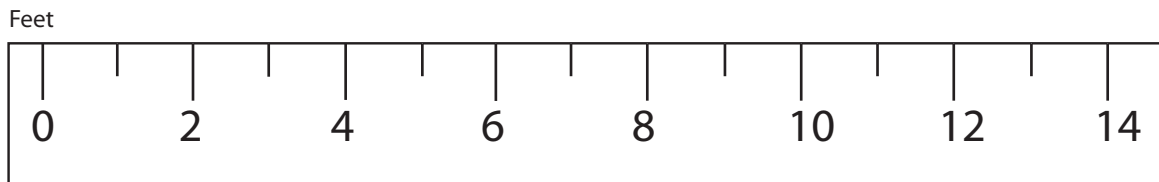
This carrot is 2.5 inches long.



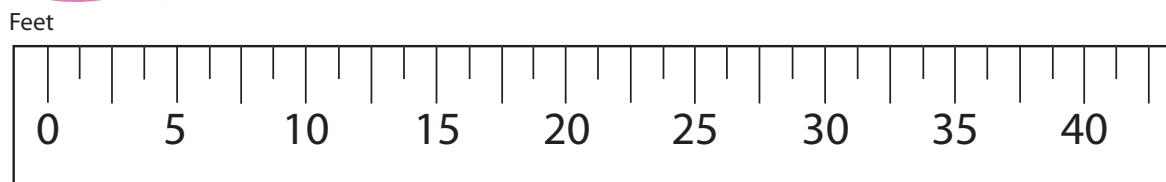
Mr. Smith's saw is 5 inches long.



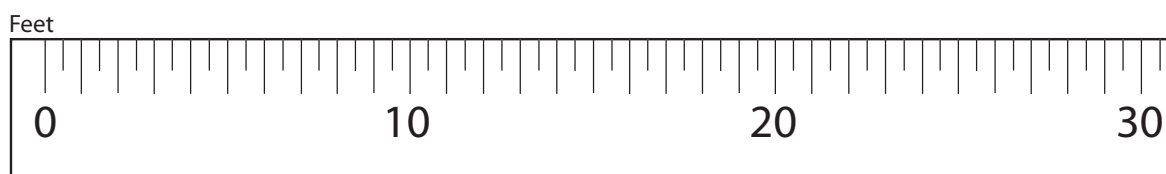
Minnie draws a line 4 feet long.



The princess' braid is 7.5 feet long.



The dragon's tail is 11.5 feet long.



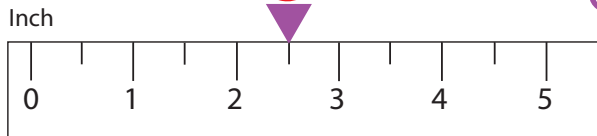
3rd  
Grade

# Distance

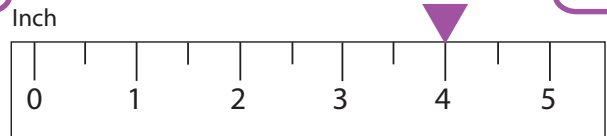
## Practice Reading Measurement

Write the correct distance in the box.

How far did the ladybug travel?



How far did the snail travel?



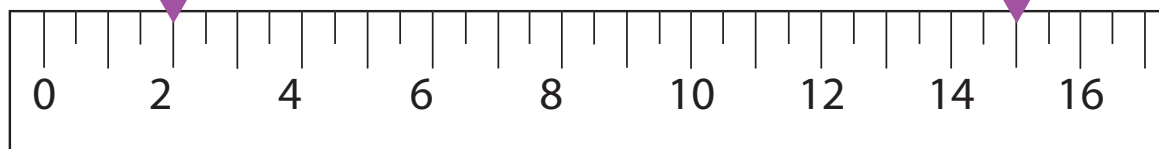
How far did the duck swim?

Feet



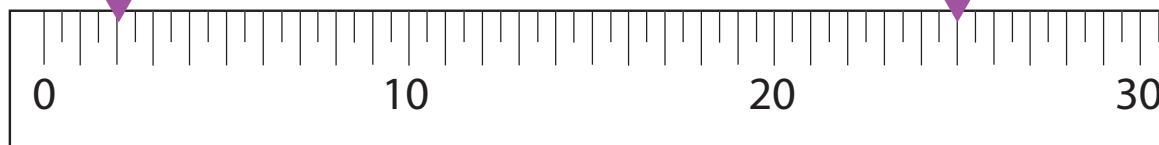
How far is my house from yours?

Mile



How far is the bakery from the bank?

Mile



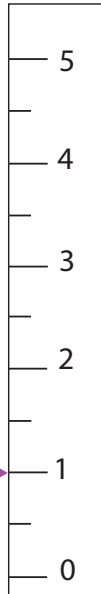


# Jump!

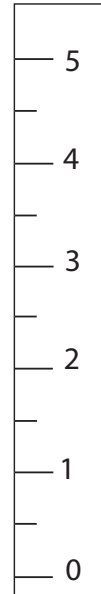
## Practice Identifying Measurement

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

This snail can jump  
1 inch high.



This frog can jump  
3.5 inches high.

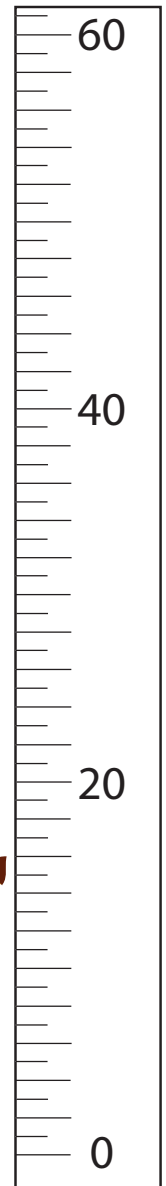


This giraffe  
can jump  
32 feet high.

This monkey  
can jump  
7 feet high.



This penguin  
can jump  
6.5 feet high.



**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

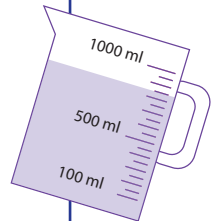
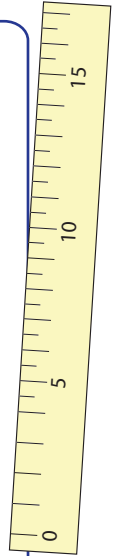
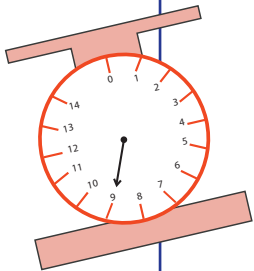
square meter

Celsius

meter

**Questions**

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



3rd  
Grade

# The Metric System

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

Celsius

pounds

miles

inches

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

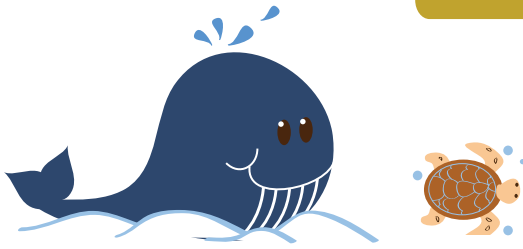
1. Kelly jumped 6 meters, 45 centimeters on her first jump. How high did she jump in centimeters?
2. Alex jumped 5 meters, 99 centimeters. How high did he jump in centimeters?
3. What is the difference in centimeters between Kelly's jump and Alex's jump?

3rd  
Grade

# Learning about Weight

## Word Problems

Answer the questions below  
and show your work.



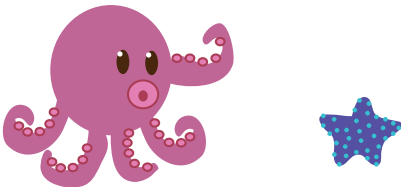
This whale weighs 1000 kilograms.  
This sea turtle weighs 50 kilograms.  
How much heavier is the whale?

---



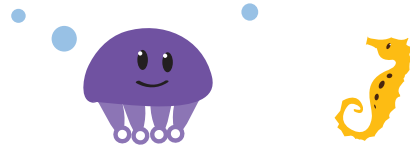
This lion weighs 150 kilograms.  
This rabbit weighs 2 kilograms.  
How much heavier is the lion?

---



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

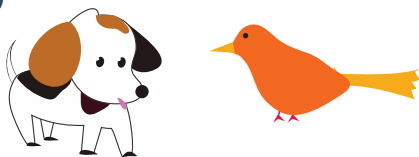
---



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

---

## Challenge!

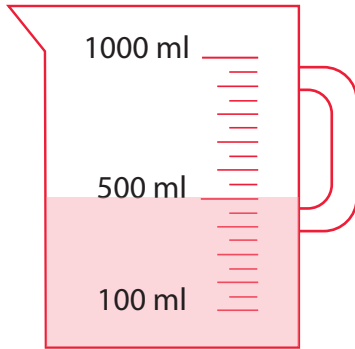


This dog weighs 10 kilograms. This robin weighs 5 grams.  
How much heavier is the dog? (\*Hint: 1 kilogram is equal to 1000 grams).

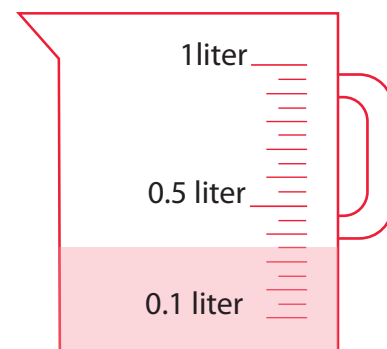
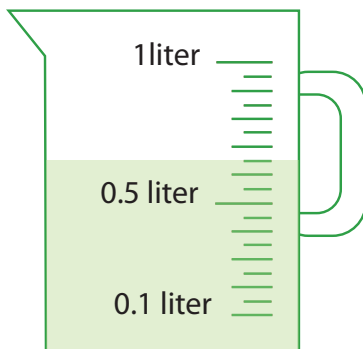
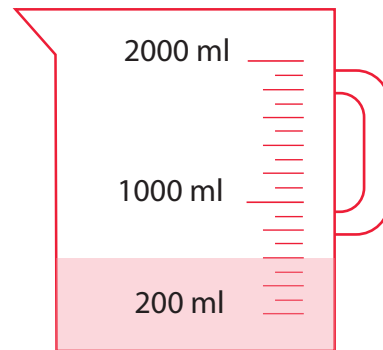
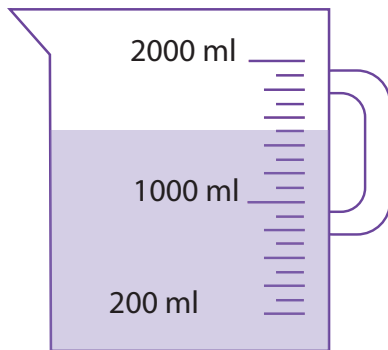
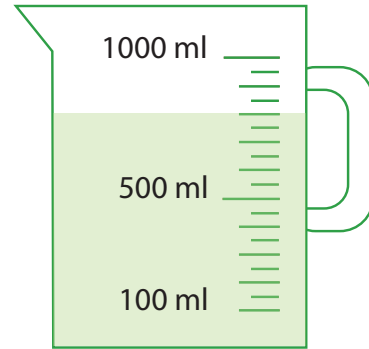
# Juice in a Jug

## Practice Reading Measurement

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



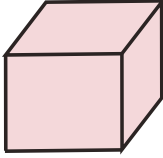
500 ml



# Counting Volume

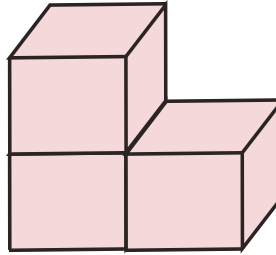
Find the volume by counting the cubic units. Write down the answer.

Note: some squares cannot be seen in a picture, but you know they are there.



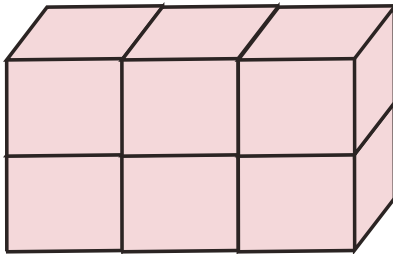
**1 cubic unit**

---

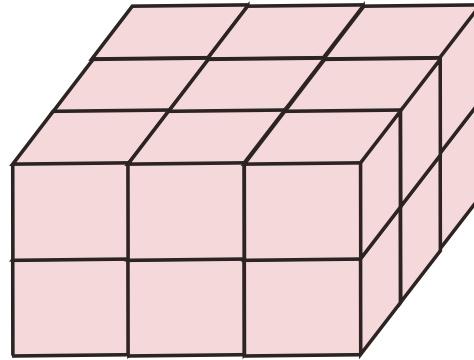


**3 cubic units**

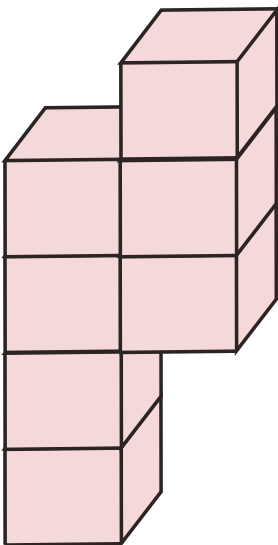
---



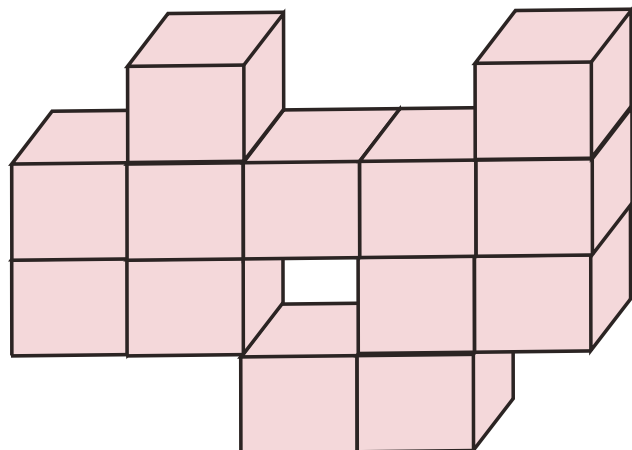
---



---



---



---

# 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.



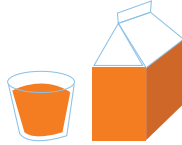
This bowl contains 10 \_\_\_\_\_ of fruit punch.



# Learning about Volume

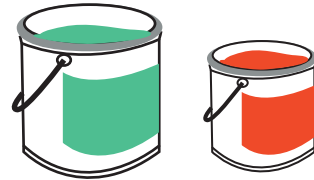
## Word Problems

Answer the questions below  
and show your work.



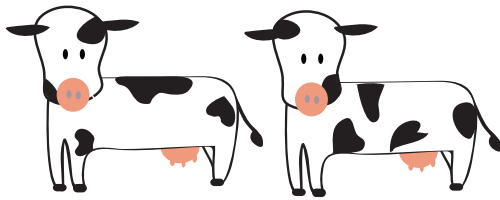
This glass holds 200 milliliters of orange juice.  
This box holds 500 milliliters of orange juice.  
How much more does the box hold?

---



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!

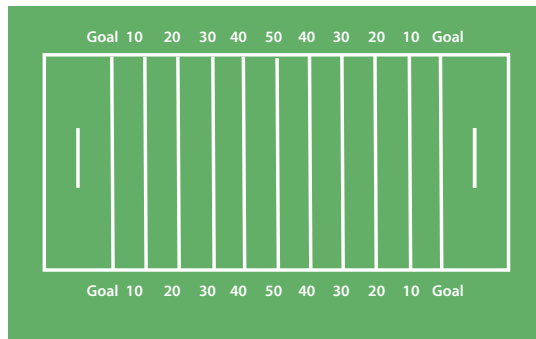


There are 10 liters of punch at the party.  
How many milliliters are there?  
(\*Hint: 1 liter is equal to 1000 milliliters)

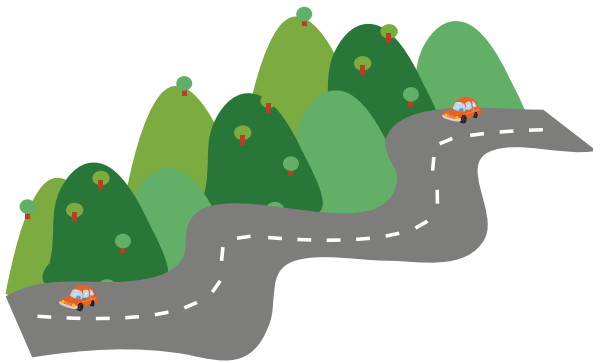
# Choose The Unit: Length

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



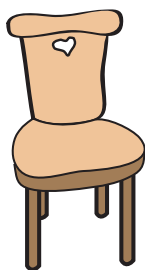
The football field measures 100 \_\_\_\_\_ long and 53 \_\_\_\_\_ wide.



We drove 60 \_\_\_\_\_ this weekend.



This pencil is 2 \_\_\_\_\_ high.



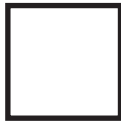
Grandma's new chair is 21 \_\_\_\_\_ wide.



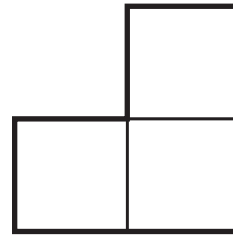
The width of California is 250 \_\_\_\_\_.

# Counting Area

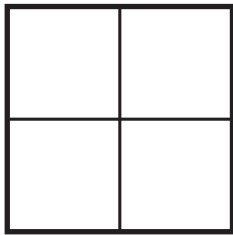
Find the areas below by counting the square units and write down the answers.  
Then, draw square units to make the area. See the example.



= 1 square unit



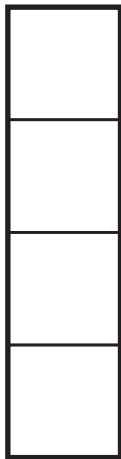
= 3 square units



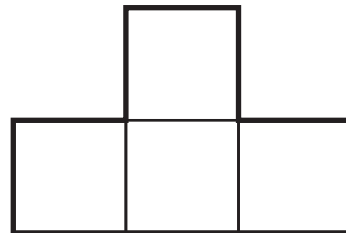
= \_\_\_\_\_



= \_\_\_\_\_

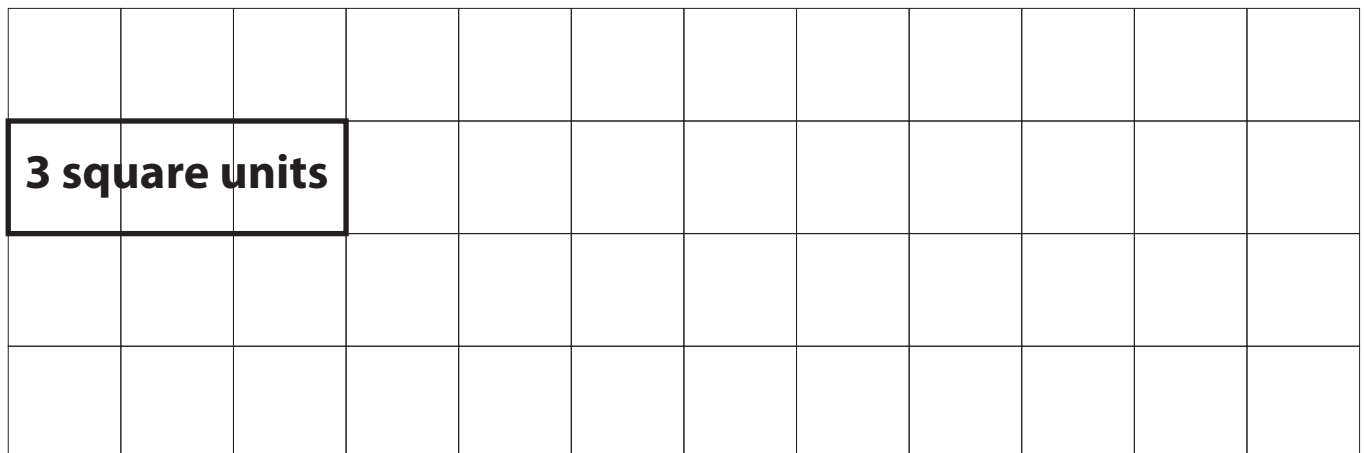


= \_\_\_\_\_



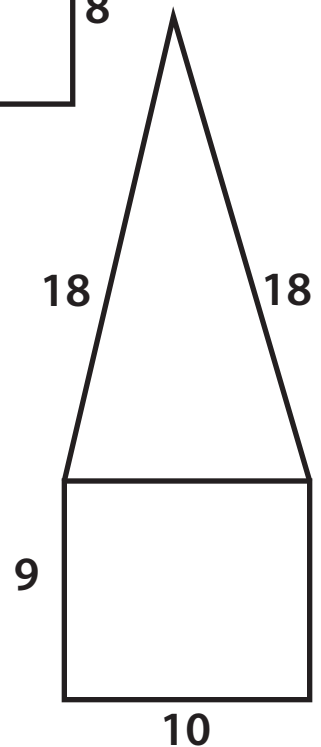
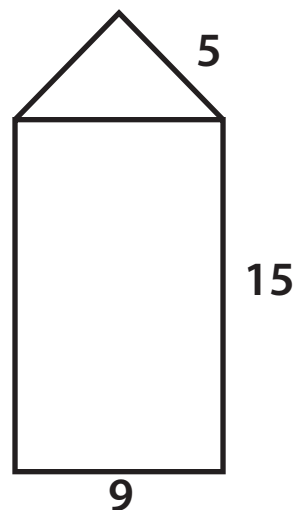
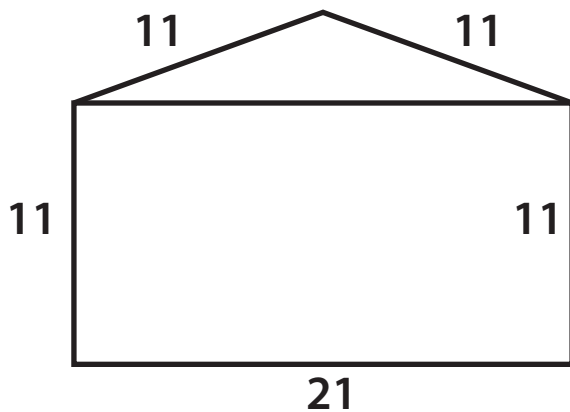
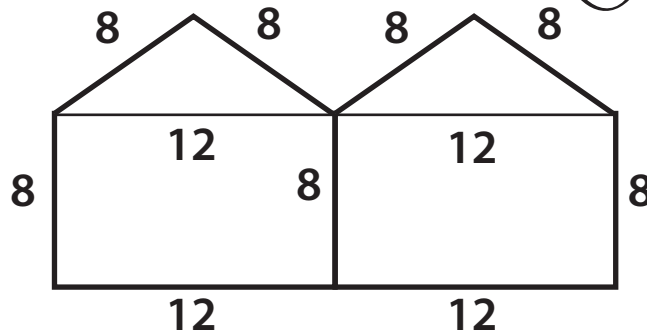
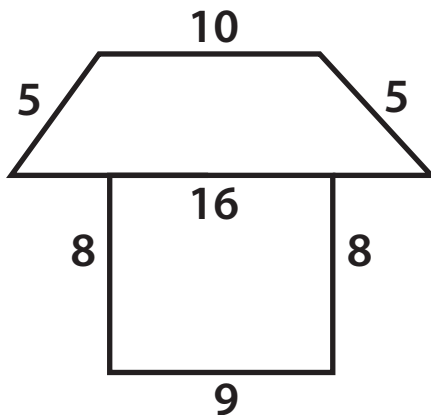
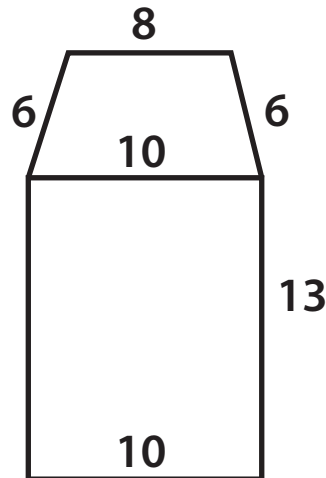
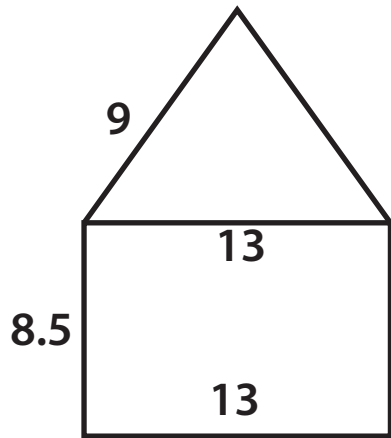
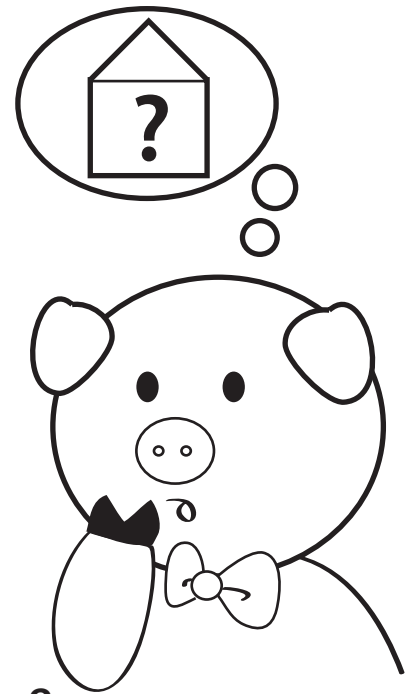
= \_\_\_\_\_

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



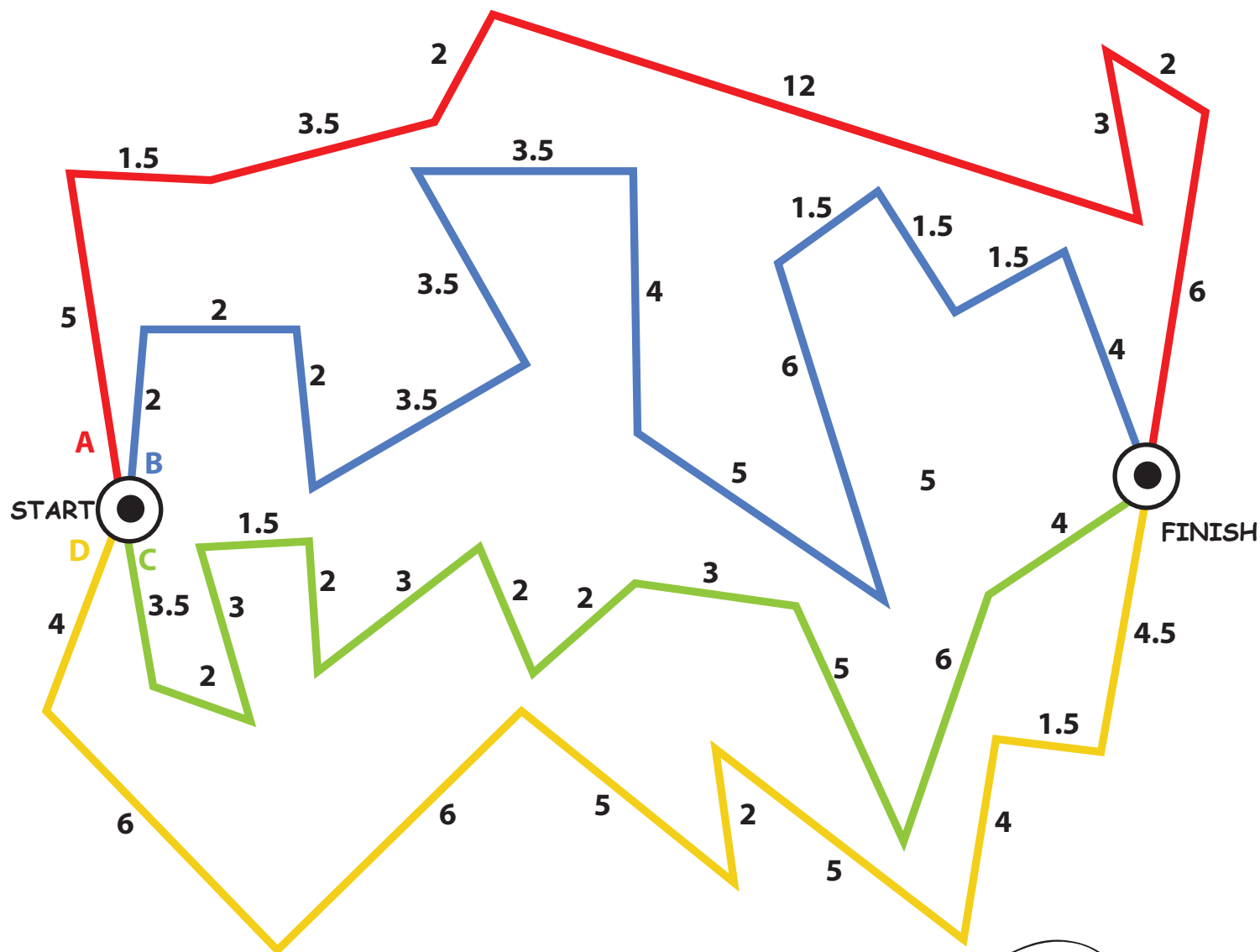
# Piggy's House Hunting: Find the Perimeter

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.



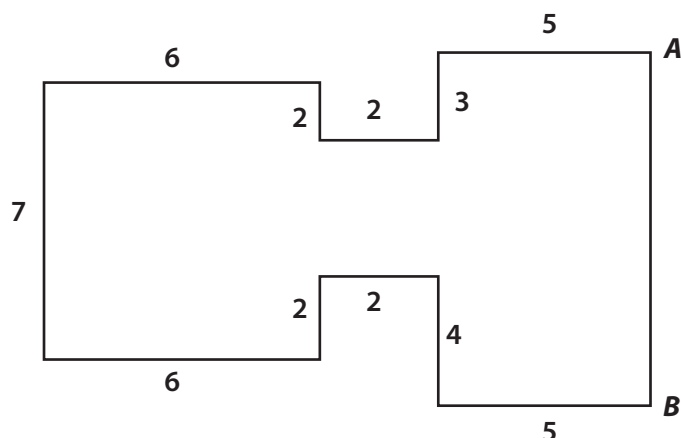
Write the training route here

Week 1: Route \_\_\_\_  
Week 2: Route \_\_\_\_  
Week 3: Route \_\_\_\_  
Week 4: Route \_\_\_\_



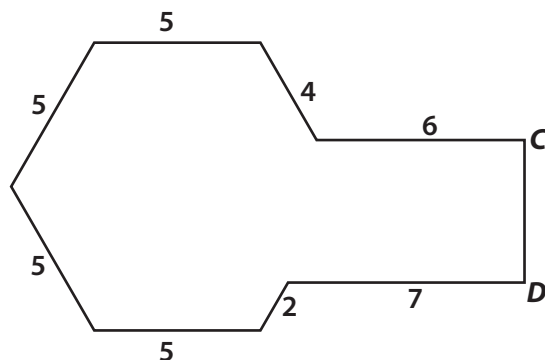
# Find The Missing Side

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.



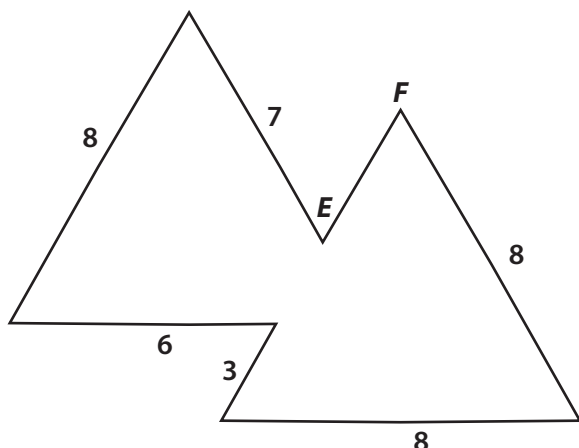
The perimeter of this object is **54** inches long.

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.

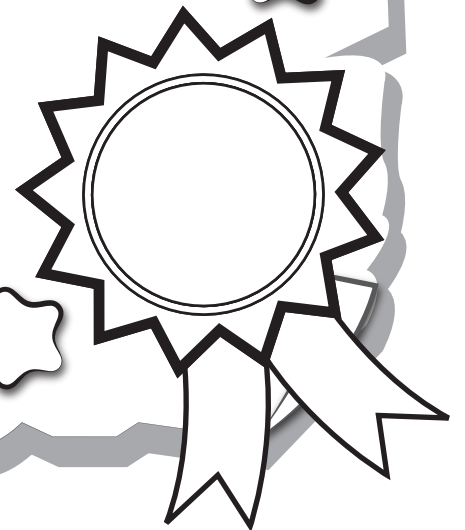
Find the length of **EF**.



# Great job!

---

is an Education.com math superstar



# 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

Want more workbooks? Join Education.com Plus to save time and money.  
<http://www.education.com/education-plus/>



# Answer Sheet

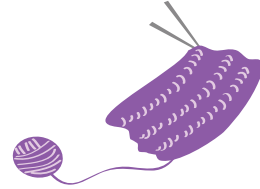
Math  
Time

## 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.

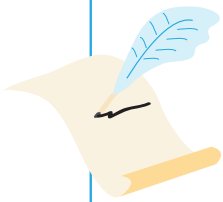
Grandma knitted a scarf for me in 2 weeks. How many days did it take her?

$$(2 \text{ weeks}) \times (7 \text{ days}) = 14 \text{ days}$$



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

$$(4 \text{ weeks}) \times (7 \text{ days}) = 28 \text{ days}$$



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?

$$(3 \text{ days}) \times (24 \text{ hours}) = 72 \text{ hours}$$



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

$$(1 \text{ week}) + (1 \text{ day}) = 8 \text{ days}$$
$$(8 \text{ days}) \times (24 \text{ hours}) = 192 \text{ hours}$$



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

$$(3 \text{ weeks}) + (2 \text{ days}) = 23 \text{ days}$$
$$(23 \text{ days}) \times (24 \text{ hours}) = 552 \text{ hours}$$
$$(552 \text{ hours}) + (3 \text{ hours}) = 555 \text{ hours}$$



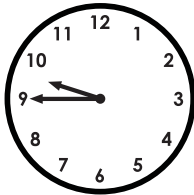
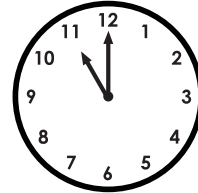
# Answer Sheet

## 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

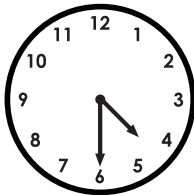
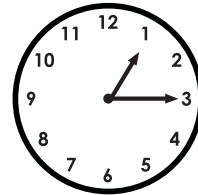


Jack went to the lake to go fishing at 9:45 a.m. and left the lake at 11:30 a.m. How long was he fishing?

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.

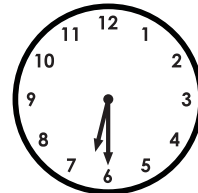


Seiler started his homework at 4:30 p.m. and finished at 5:15 p.m. How long did he work on his homework?

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.



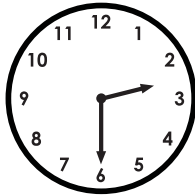
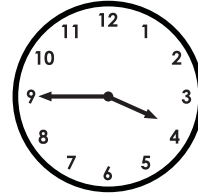
# Answer Sheet

## 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

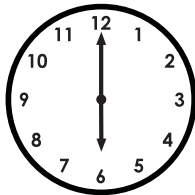
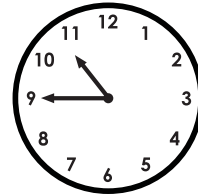


Nikki went to a concert that started at 2:30 p.m. It ended at 4:00 p.m. How long was the concert?

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

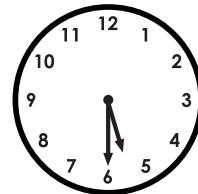


Mike went to see a movie at the theater that was 1 hour and 45 minutes long. It started 6:00 p.m. What time did it end?

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

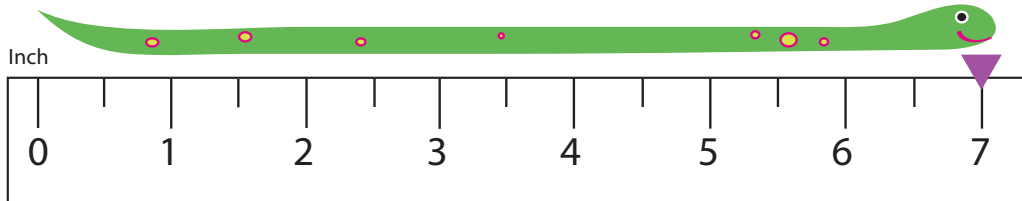
3rd  
Grade

## Length

### Practice Reading Measurement

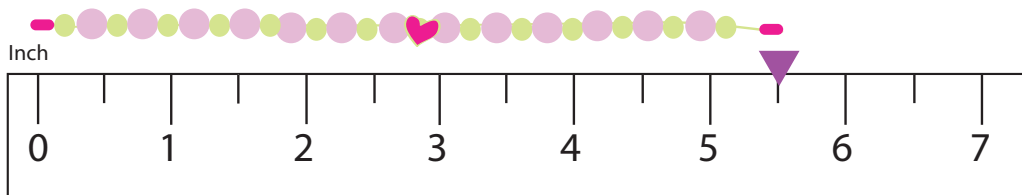
Write the correct length in the box.

How long is the snake?



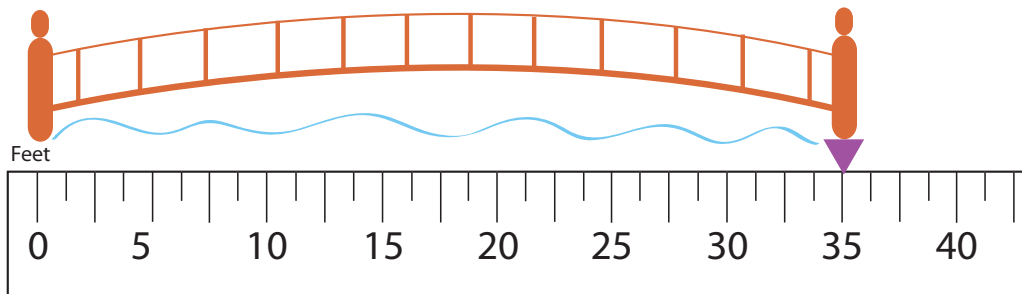
7"

How long is the necklace?



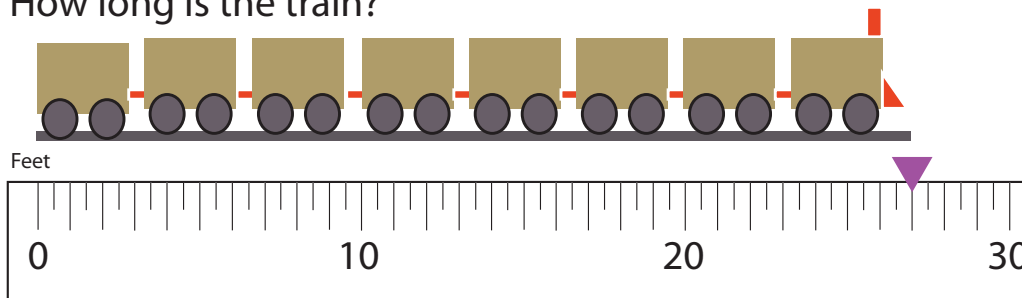
5½"

How long is the bridge?



35'

How long is the train?



27'

# Answer Sheet

3rd  
Grade

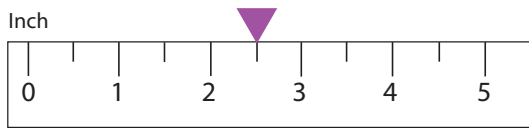
## Mark it!

### Practice Identifying Measurement

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



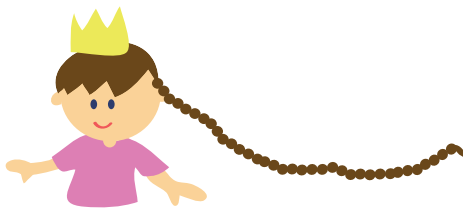
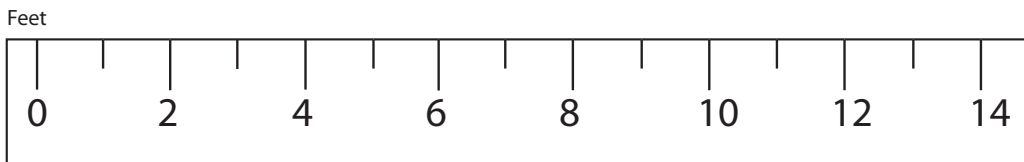
This carrot is 2.5 inches long.



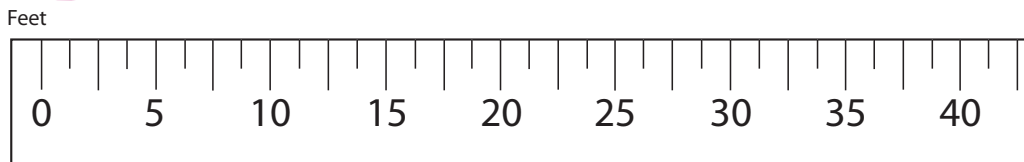
Mr. Smith's saw is 5 inches long.



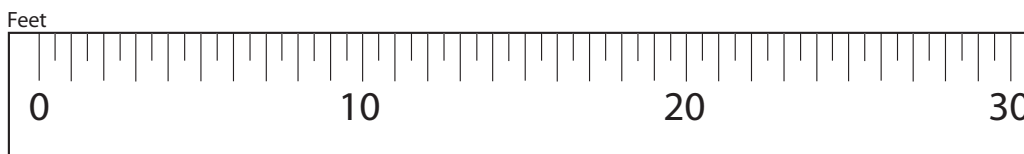
Minnie draws a line 4 feet long.



The princess' braid is 7.5 feet long.



The dragon's tail is 11.5 feet long.



# Answer Sheet

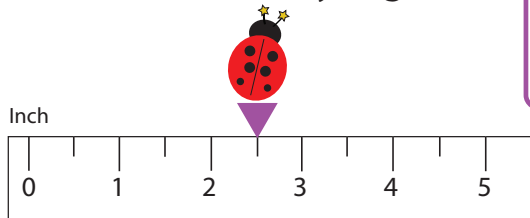
3rd  
Grade

## Distance

### Practice Reading Measurement

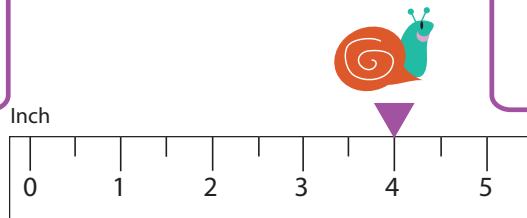
Write the correct distance in the box.

How far did the ladybug travel?



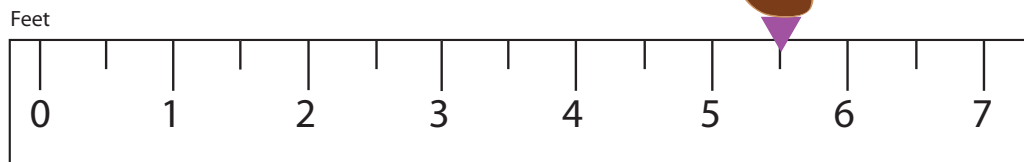
2½"

How far did the snail travel?



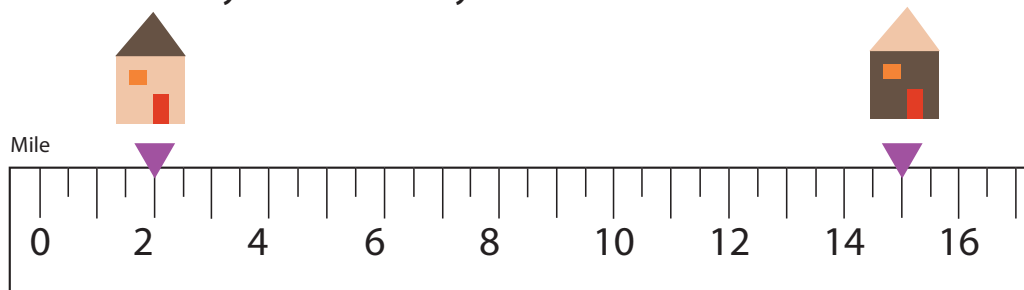
4"

How far did the duck swim?



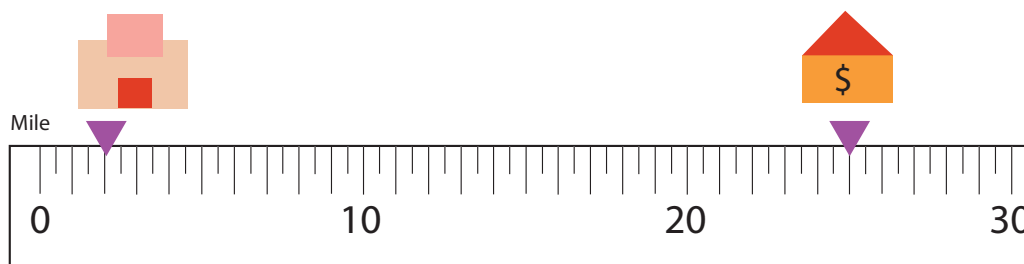
5'

How far is my house from yours?



13 miles

How far is the bakery from the bank?



23 miles

# Answer Sheet

3rd  
Grade

## Jump!

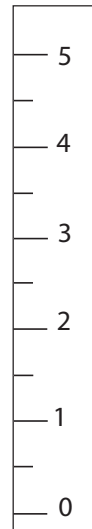
### Practice Identifying Measurement

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

This snail can jump  
1 inch high.



This frog can jump  
3.5 inches high.

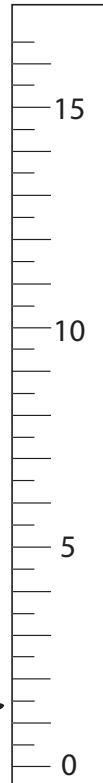


This giraffe  
can jump  
32 feet high.

This monkey  
can jump  
7 feet high.



This penguin  
can jump  
6.5 feet high.



# Answer Sheet

3rd  
Grade

## 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

mile

Fahrenheit

feet

gallon

pound

ounce

acre

kilogram

liter

centimeter

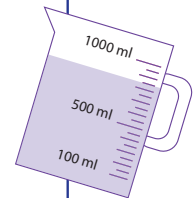
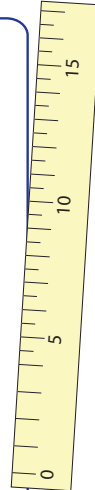
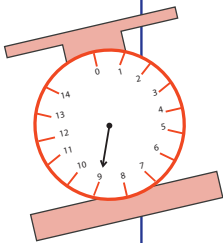
gram

kilometer

square meter

Celsius

meter



Questions

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

**Celsius**

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**





# Answer Sheet

## The Metric System

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

Celsius

pounds

miles

inches

liter

quart

centimeters

meters

kilometers

# Answer Sheet

Grade  
**3**

## 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**

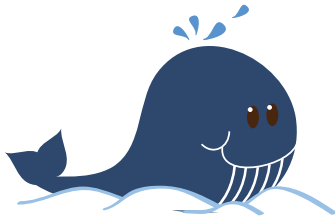
# Answer Sheet

3rd  
Grade

## Learning about Weight

### Word Problems

Answer the questions below  
and show your work.



$$\begin{array}{r} 1,000\text{kg} \\ - 50\text{kg} \\ \hline 950\text{kg} \end{array}$$

**The whale is 950 kilograms heavier than the turtle.**

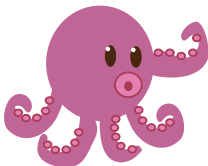
This whale weighs 1000 kilograms.  
This sea turtle weighs 50 kilograms.  
How much heavier is the whale?

$$\begin{array}{r} 150\text{kg} \\ - 2\text{kg} \\ \hline 148\text{kg} \end{array}$$

**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?



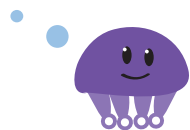
$$\begin{array}{r} 75\text{kg} \\ - 5\text{kg} \\ \hline 70\text{kg} \end{array}$$

**The octopus is 70 kilograms heavier than the starfish.**

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

$$\begin{array}{r} 18\text{g} \\ - 2\text{g} \\ \hline 16\text{g} \end{array}$$

**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!



$$\begin{array}{r} 10,000\text{g} \\ - 5\text{g} \\ \hline 9,995\text{g} \end{array}$$

**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**

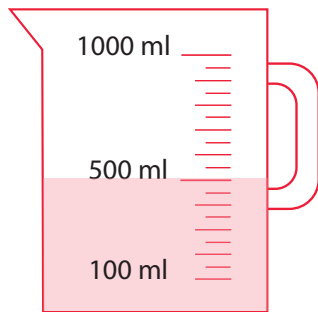
# Answer Sheet

3th  
Grade

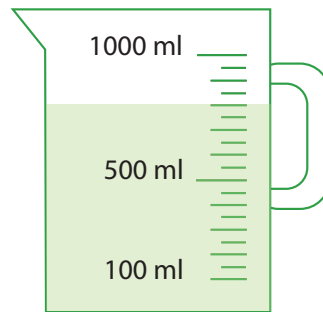
## Juice in a Jug

### Practice Reading Measurement

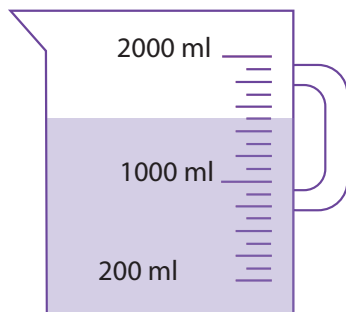
How much juice is in each jug? Write the correct amounts in the box.  
\* 1 Liter (L) equals 1000 milliliters (ml).



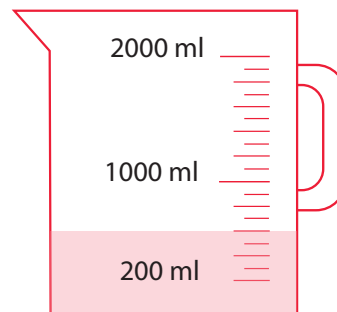
500 ml



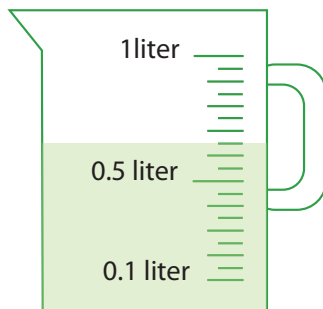
800 ml



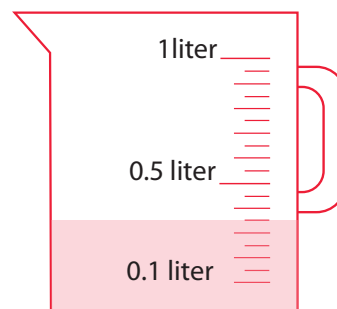
1500 ml



500 ml



0.65 L



0.35 L



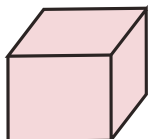
# Answer Sheet

Math  
Geometry

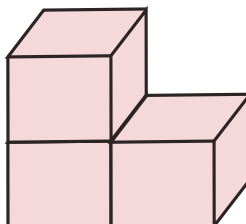
## Counting Volume

Find the volume by counting the cubic units. Write down the answer.

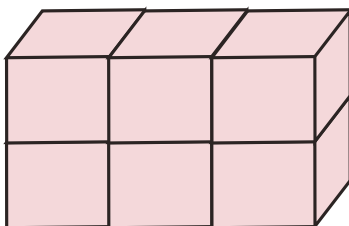
Note: some squares cannot be seen in a picture, but you know they are there.



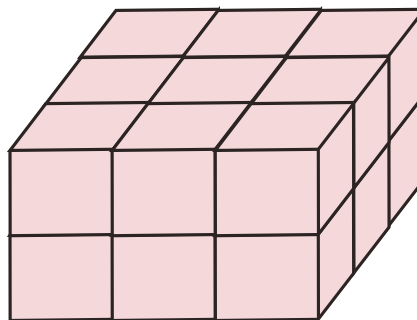
1 cubic unit



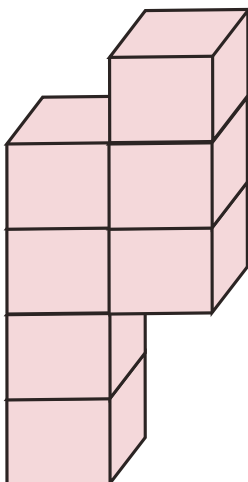
3 cubic units



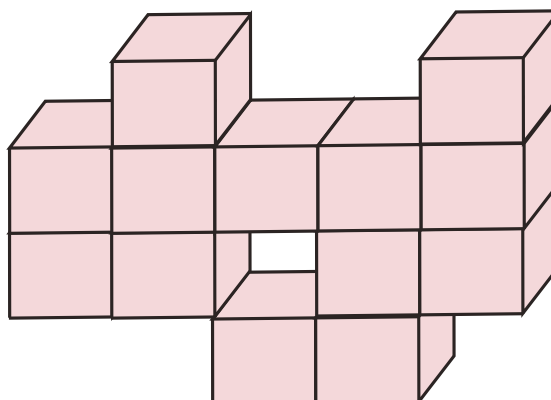
6 cubic units



18 cubic units



7 cubic units



13 cubic units

# Answer Sheet

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.

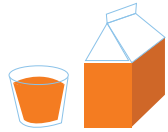
# Answer Sheet

3rd  
Grade

## Learning about Volume

### Word Problems

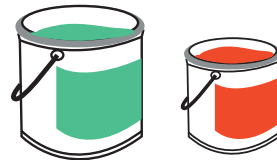
Answer the questions below  
and show your work.



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

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

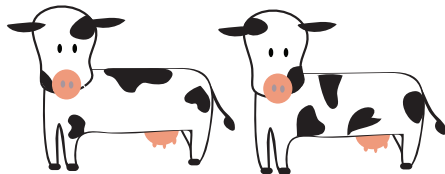
**The box holds 300 more milliliters of orange juice than the glass.**



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

**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.**



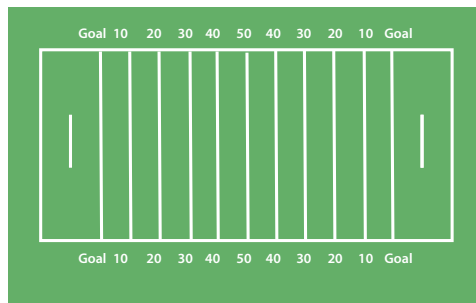
# Answer Sheet

Math  
Geometry

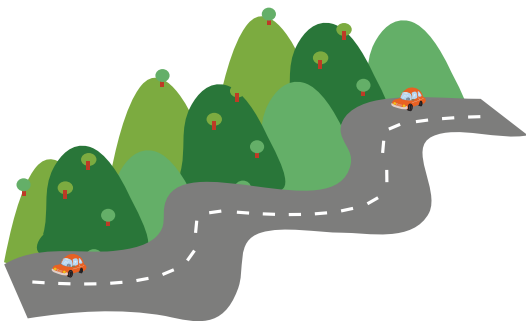
## Choose The Unit: Length

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.



# Answer Sheet

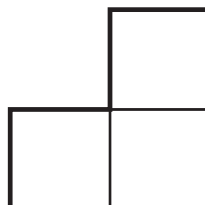
Math  
Geometry

## Counting Area

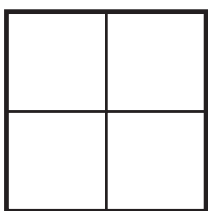
Find the areas below by counting the square units and write down the answers.  
Then, draw square units to make the area. See the example.



= 1 square unit



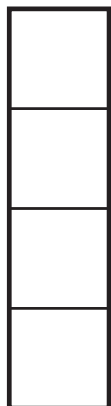
= 3 square units



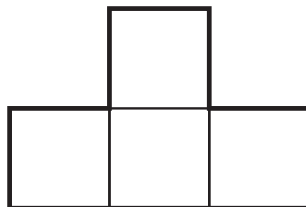
= 4 square units



= 6 square units

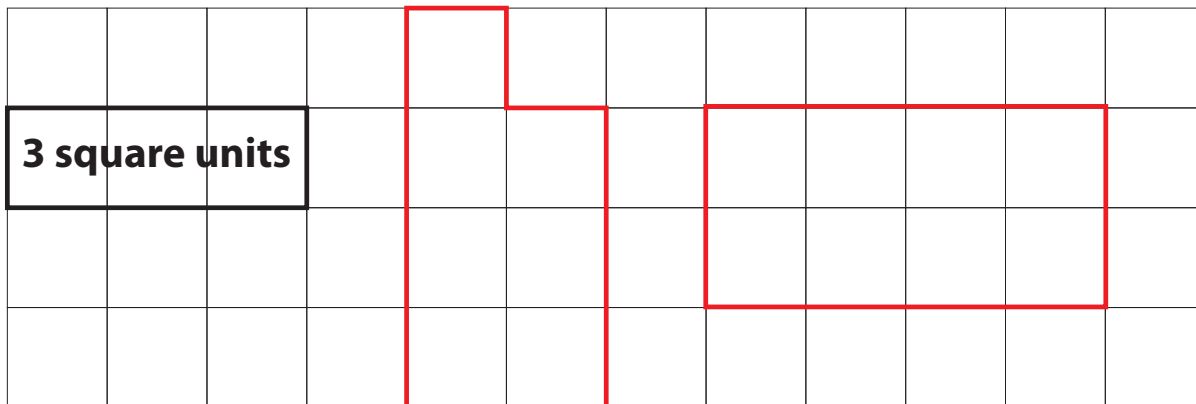


= 4 square units



= 4 square units

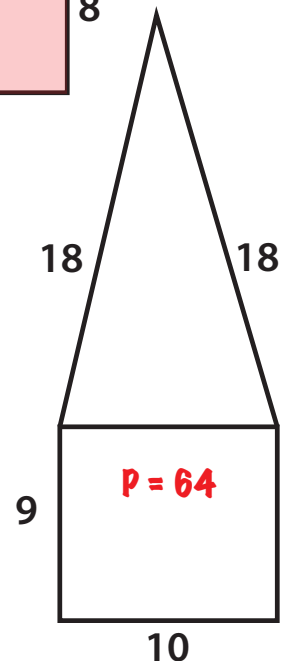
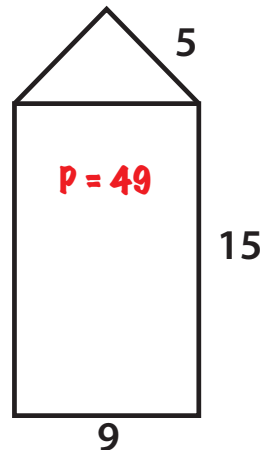
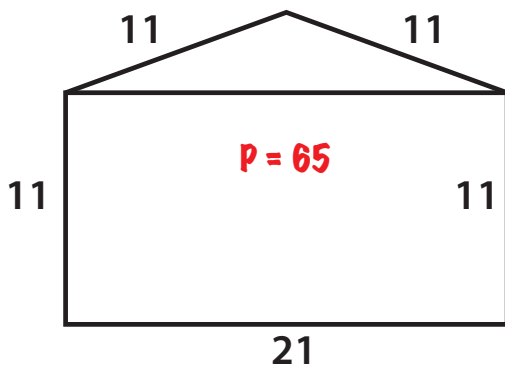
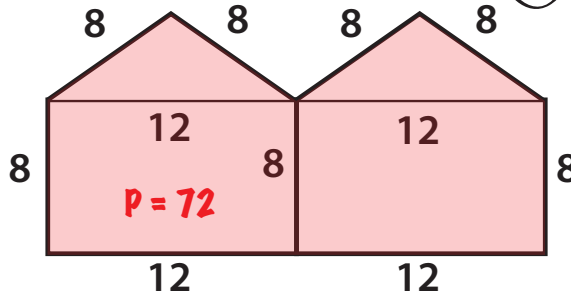
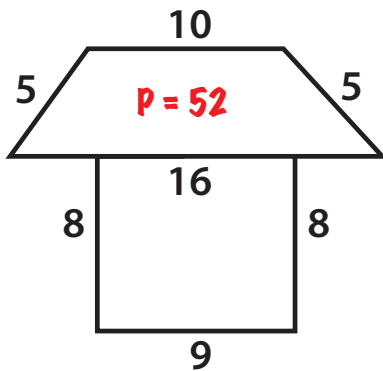
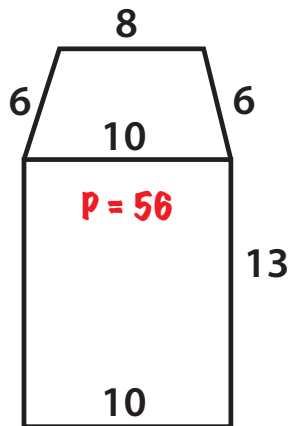
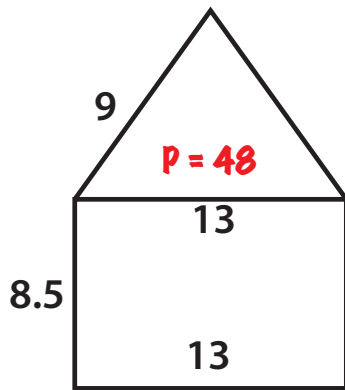
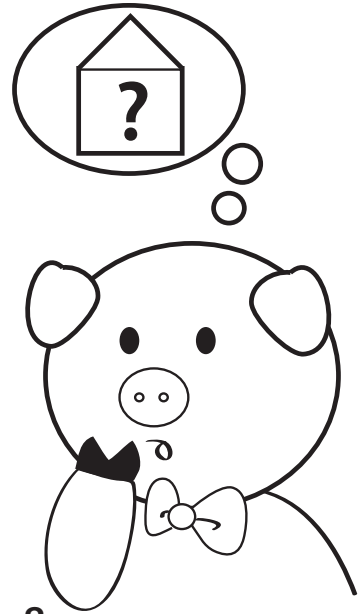
Now draw 7 square units of area and 8 square units of area.



# Answer Sheet

## Piggy's House Hunting: Find the Perimeter

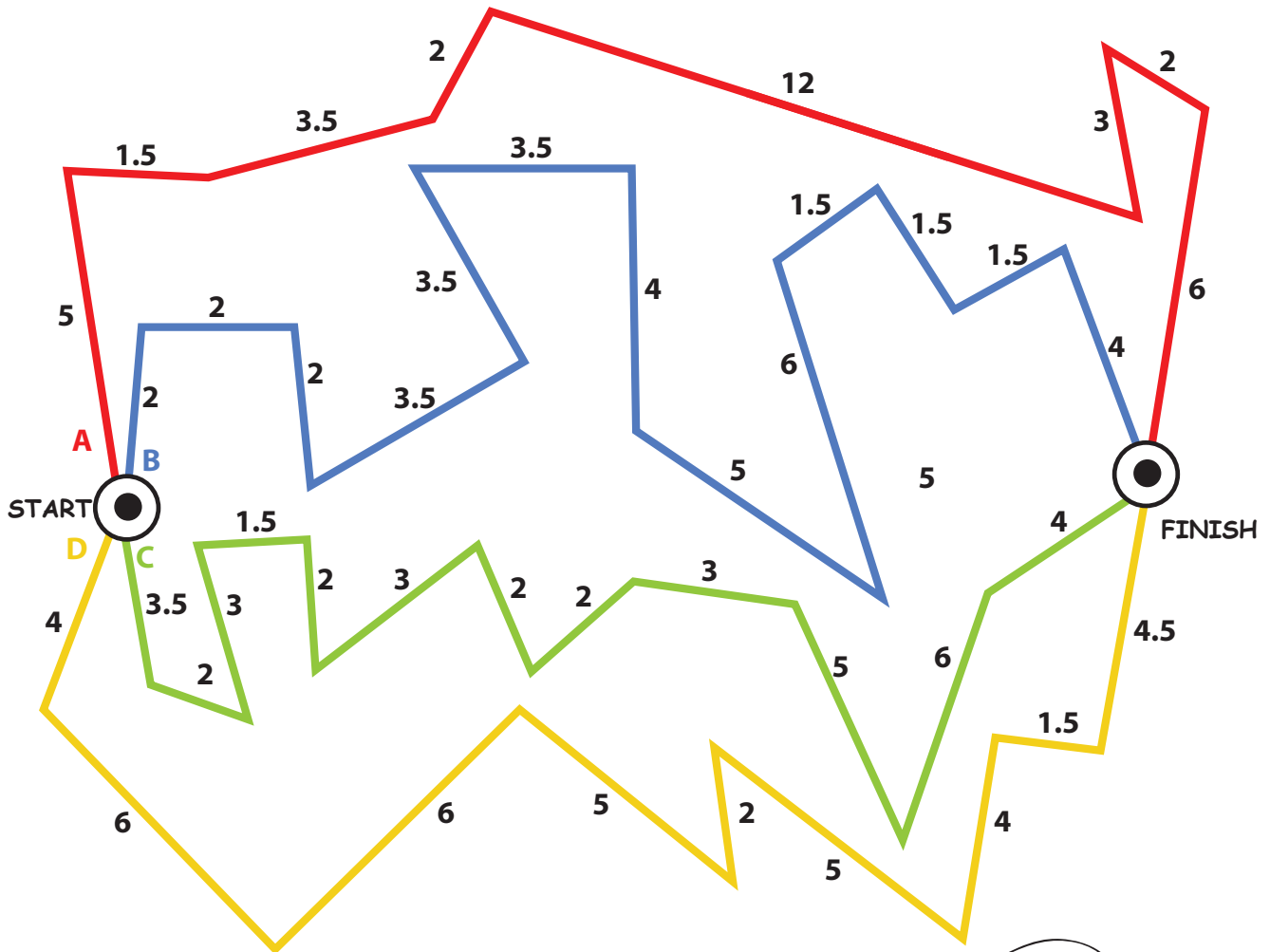
Piggy needs to find a house with the largest perimeter.  
Help Piggy by finding the perimeter of each house.  
Then color the largest one.



# 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

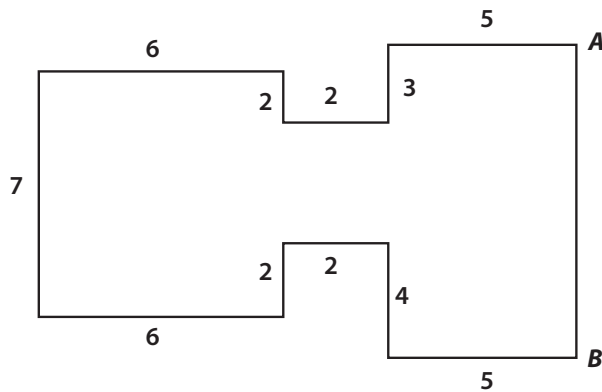


# Answer Sheet

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.

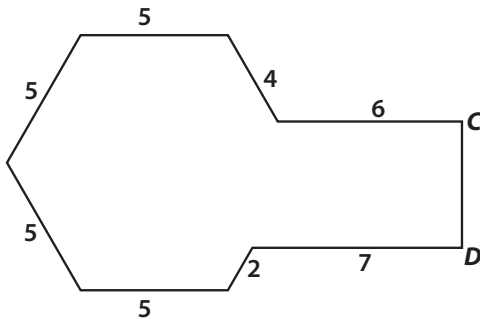


The perimeter of this object is **54** inches long.

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.

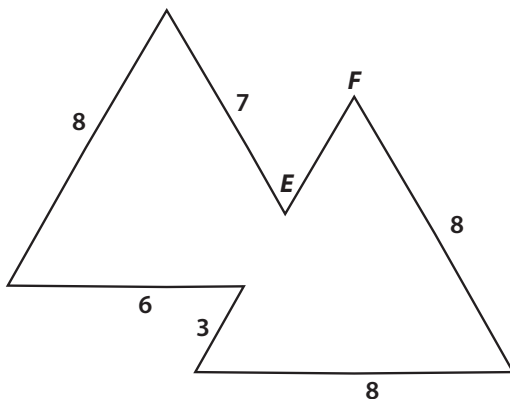


The perimeter of this object is **43** inches long.

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.