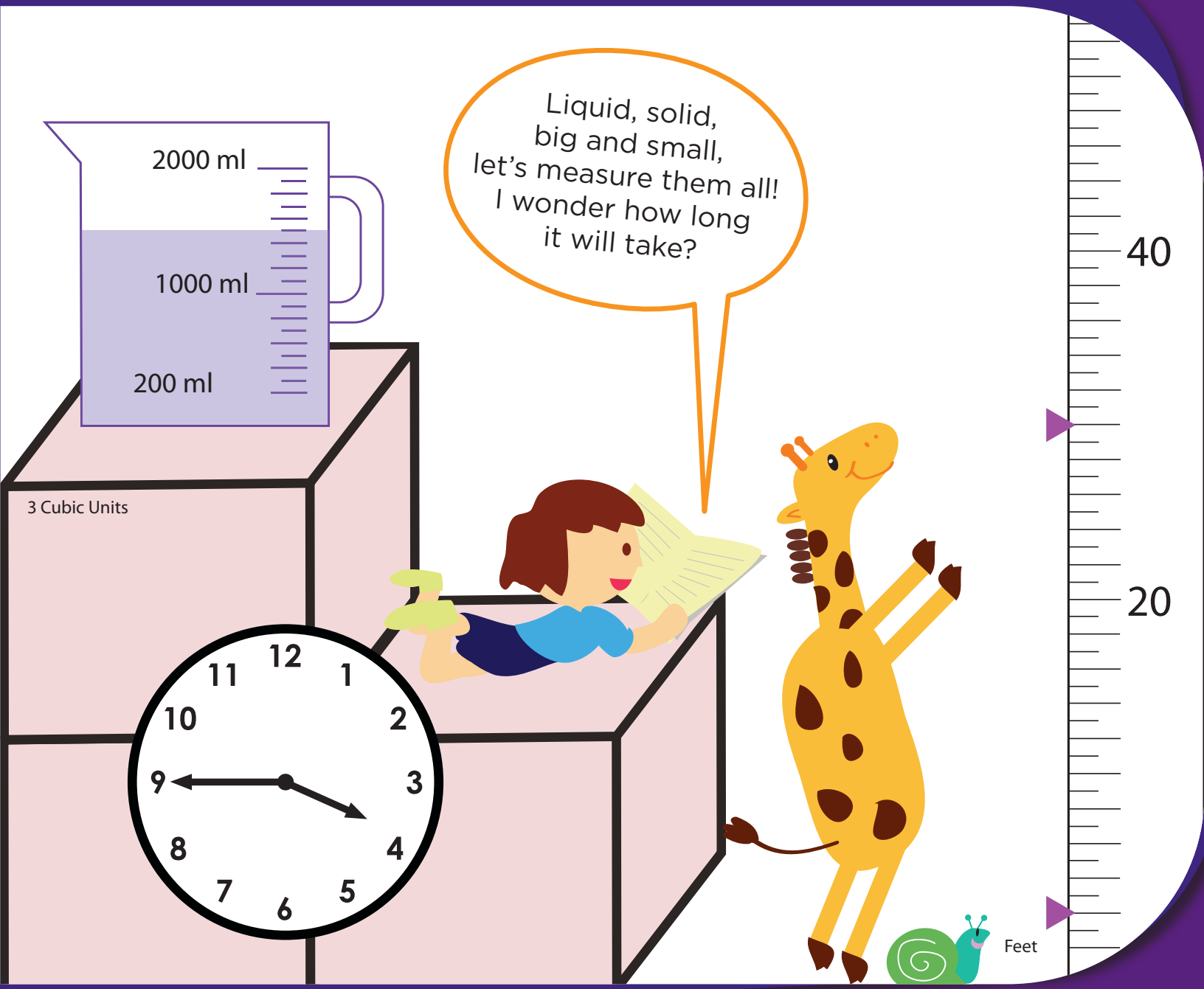
For Good

MEASURE

3RD Grade



education.com

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

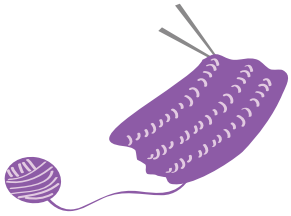
** Has an Answer Sheet*

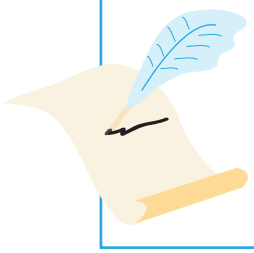
Math
Time

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?





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?

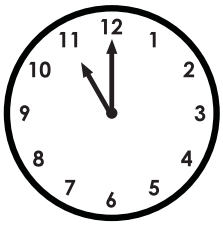
Meg read a book in 3 weeks, 2 days, and 3 hours. How many hours did she spend reading the book?

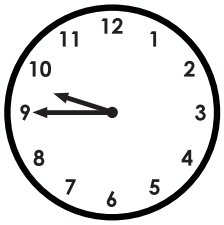
Time Flies!

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?

_____



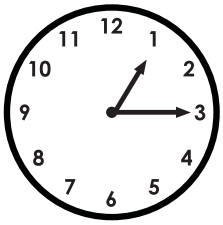


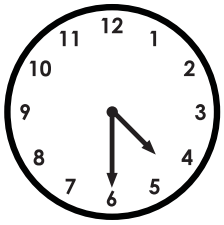
Jack went to the lake to go fishing at 9:45 a.m. and left the lake at 11:30 a.m. How long was he fishing?

_____

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

_____



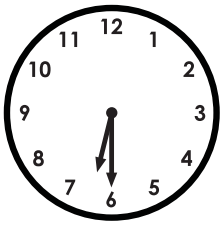


Seiler started his homework at 4:30 p.m. and finished at 5:15 p.m. How long did he work on his homework?

_____

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?

_____

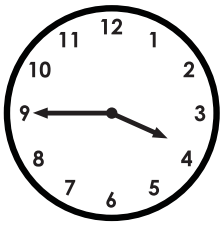


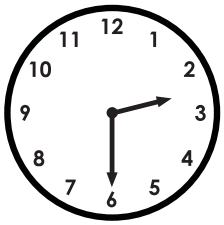
A Matter of Time

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?

_____



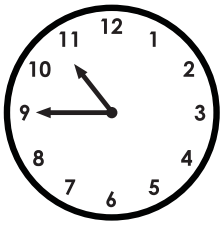


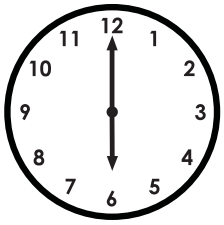
Nikki went to a concert that started at 2:30 p.m. It ended at 4:00 p.m. How long was the concert?

_____

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

_____



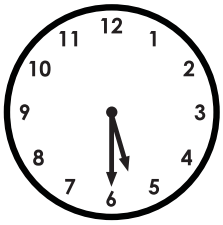


Mike went to see a movie at the theater that was 1 hour and 45 minutes long. It started 6:00 p.m. What time did it end?

_____

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

_____



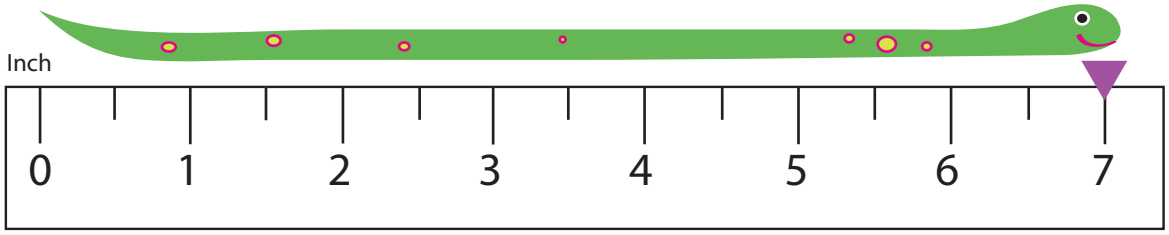
3rd Grade

Length

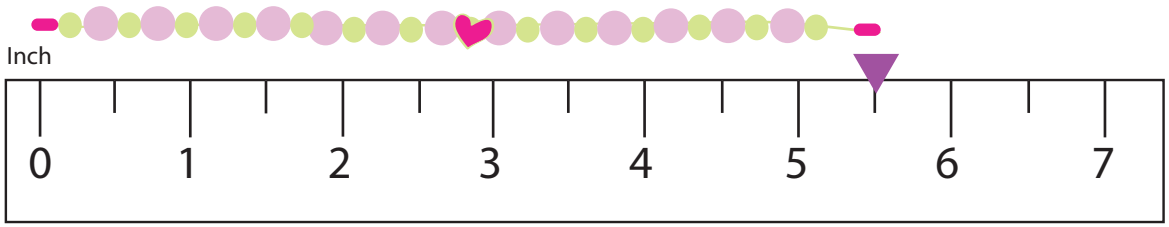
Practice Reading Measurement

Write the correct length in the box.

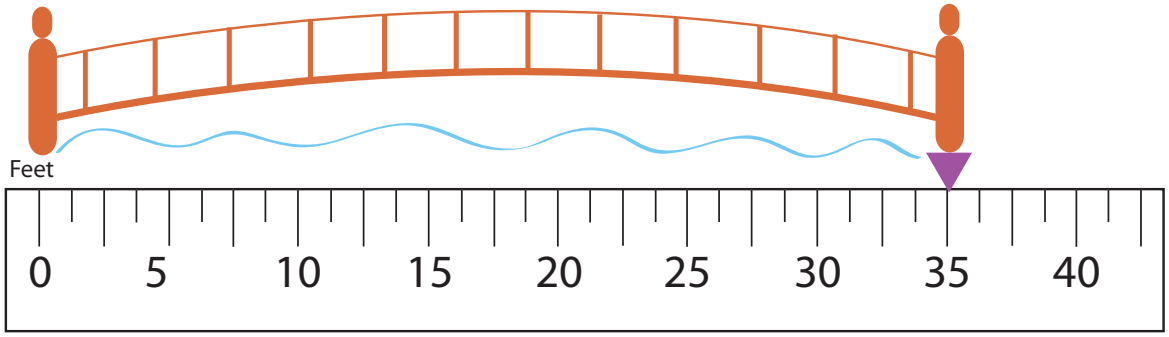
How long is the snake?



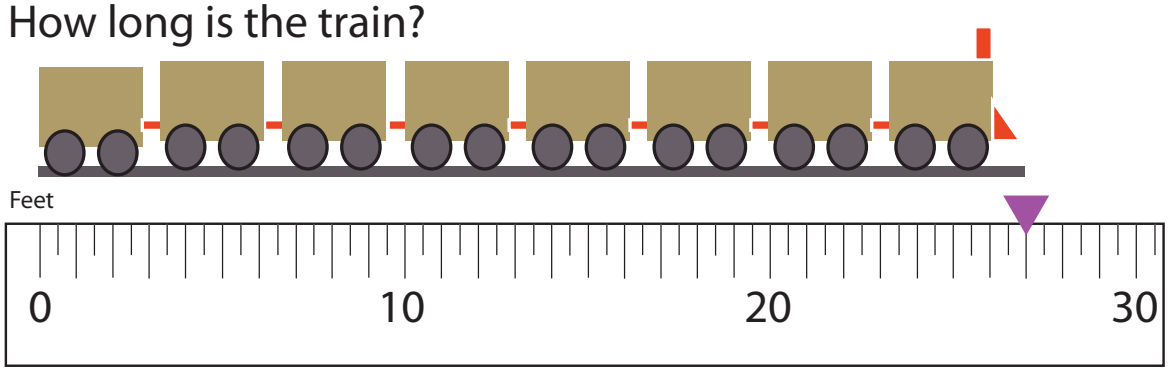
How long is the necklace?



How long is the bridge?



How long is the train?

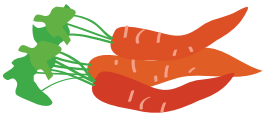


3rd Grade

Mark it!

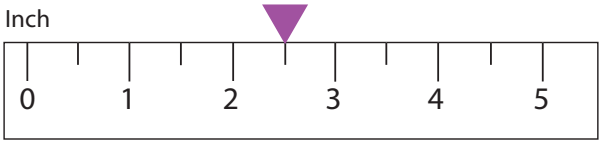
Practice Identifying Measurement

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



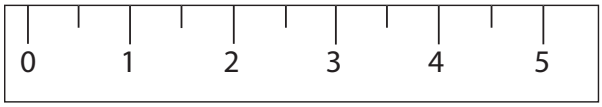
This carrot is 2.5 inches long.

Inch



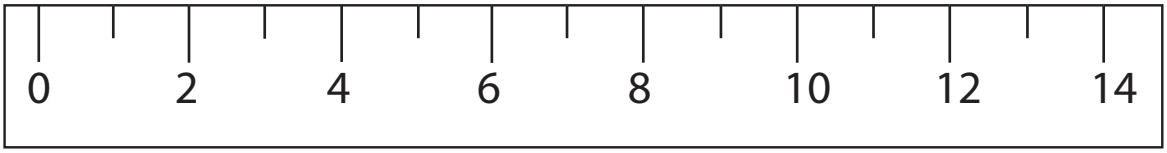
Mr. Smith's saw is 5 inches long.

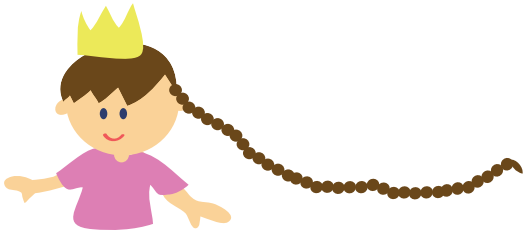
Inch



Minnie draws a line 4 feet long.

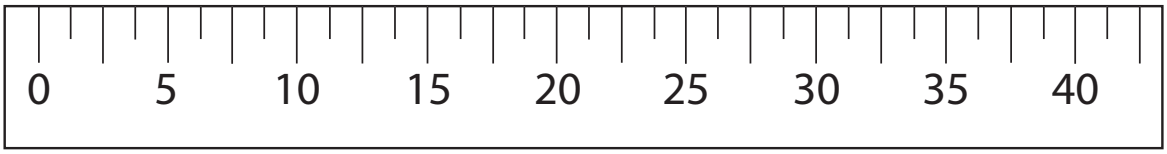
Feet





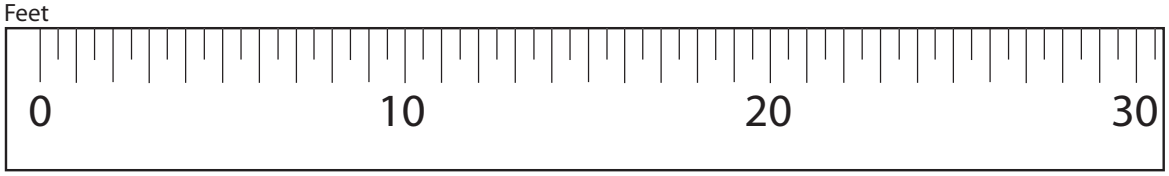
The princess' braid is 7.5 feet long.

Feet



The dragon's tail is 11.5 feet long.

Feet



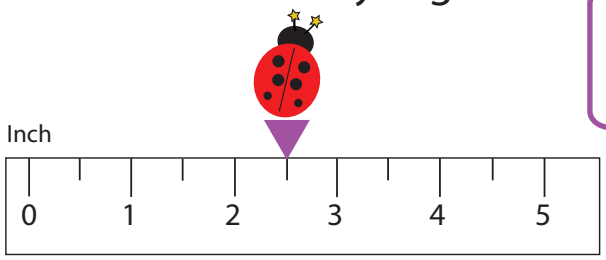
3rd Grade

Distance

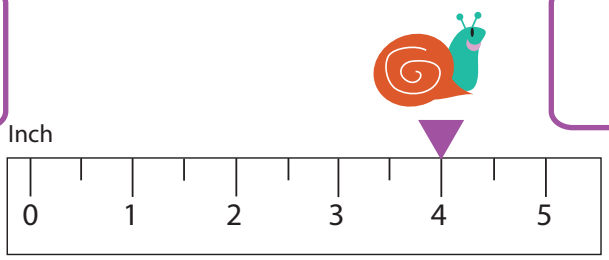
Practice Reading Measurement

Write the correct distance in the box.

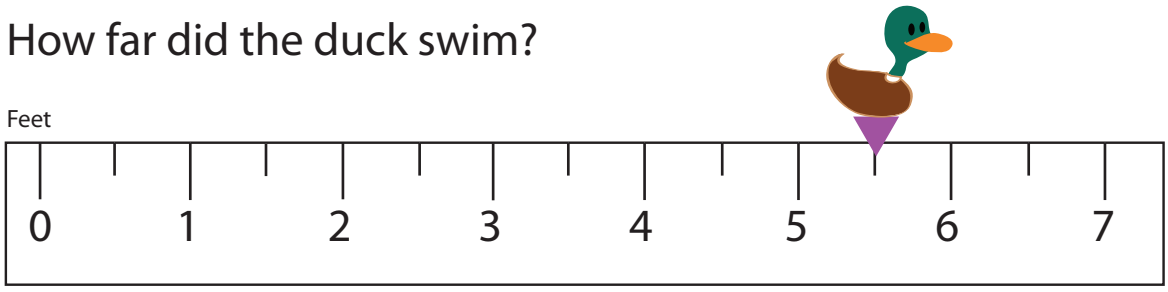
How far did the ladybug travel?



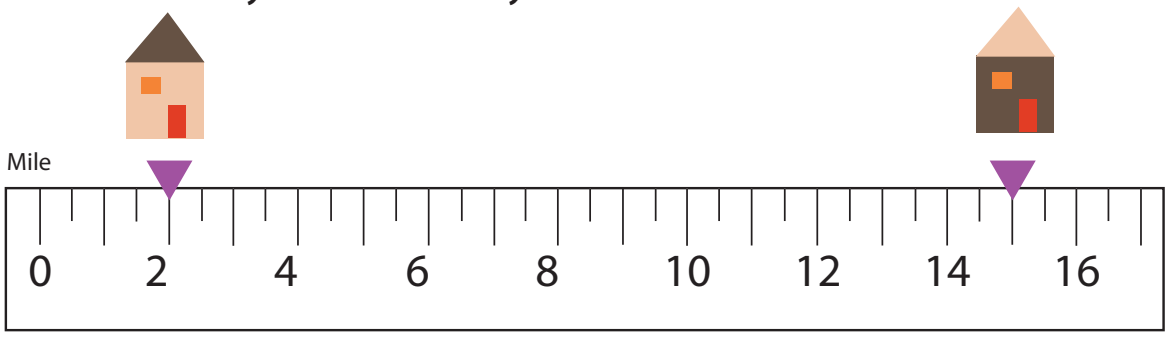
How far did the snail travel?



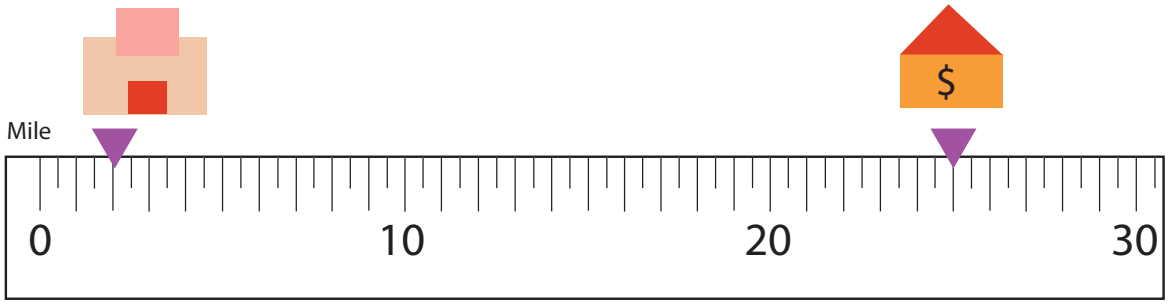
How far did the duck swim?



How far is my house from yours?



How far is the bakery from the bank?



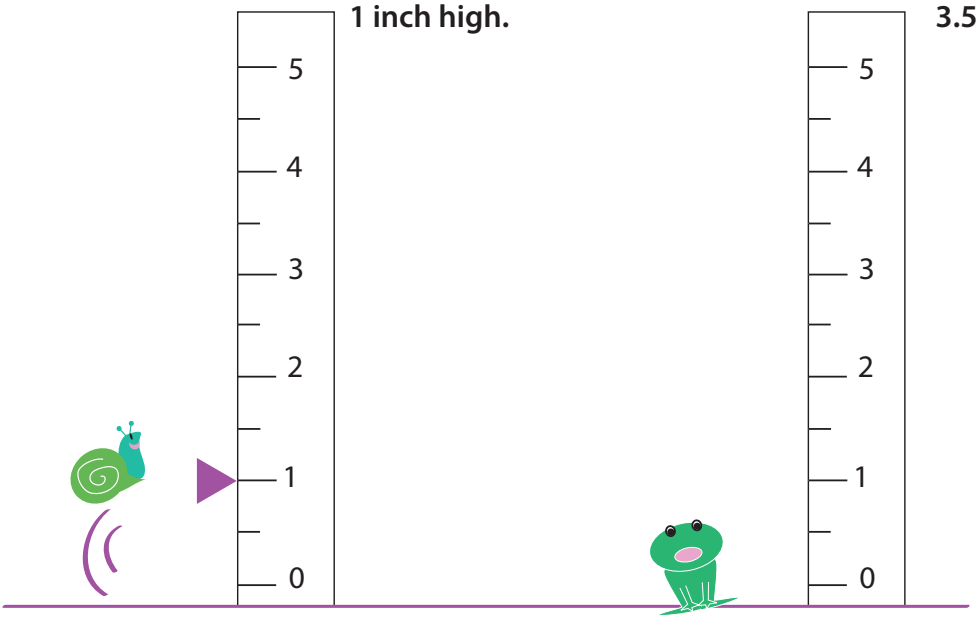
3rd Grade

Jump!

Practice Identifying Measurement

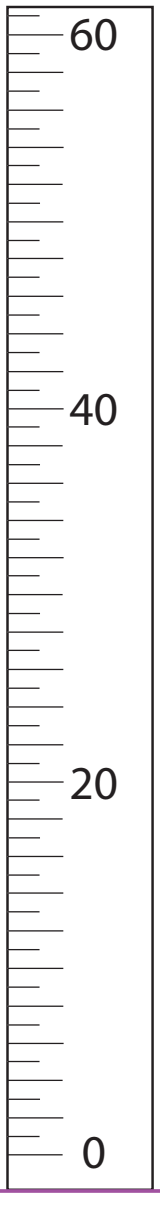
Mark the height of each jump on the ruler. See the example.

This snail can jump 1 inch high.

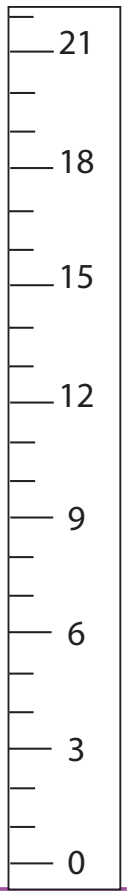


This frog can jump 3.5 inches high.

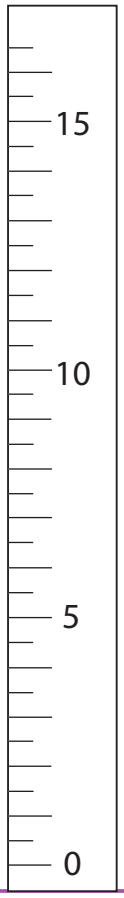
This giraffe can jump 32 feet high.



This monkey can jump 7 feet high.



This penguin can jump 6.5 feet high.



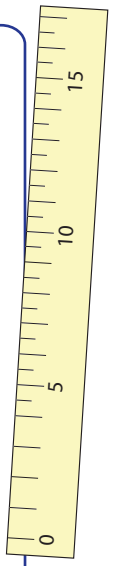
3rd Grade

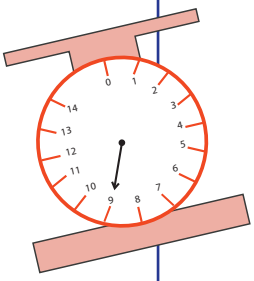
Match it!

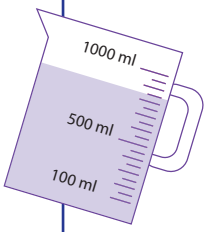
Identify the Metric System

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	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?

The Metric System

3rd Grade

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

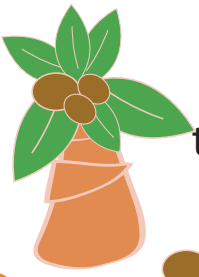
1. My house is 15 _____ from school.

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

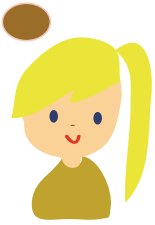
3. The butcher sold 5 _____ of pork to Mr. Smith.

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	Celsius	pounds
miles		inches			
liter	quart	centimeters	meters		kilometers

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

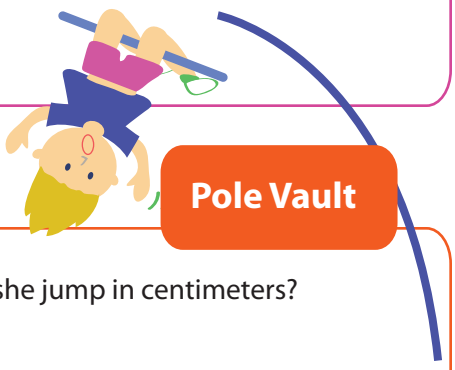
3. Who ran more: Alison or James?

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?

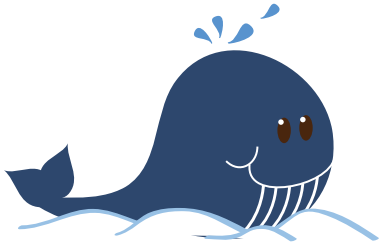
3. What is the difference in centimeters between Kelly's jump and Alex's jump?

3rd Grade

Learning about Weight

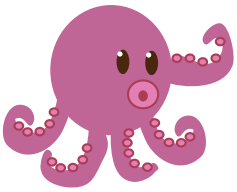
Word Problems

Answer the questions below and show your work.

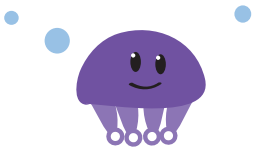


This whale weighs 1000 kilograms.
This sea turtle weighs 50 kilograms.
How much heavier is the whale?

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

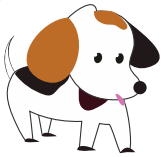


This octopus weighs 75 kilograms.
Theis starfish weighs 5 kilograms.
How much heavier is the octopus?



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

Challenge!



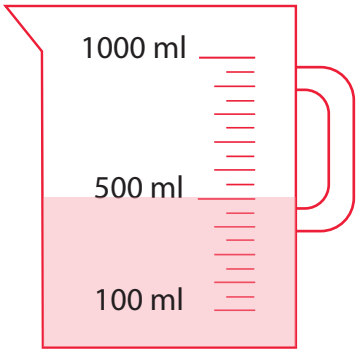
This dog weighs 10 kilograms. This robin weighs 5 grams.
How much heavier is the dog? (*Hint: 1 kilogram is equal to 1000 grams).

3th Grade

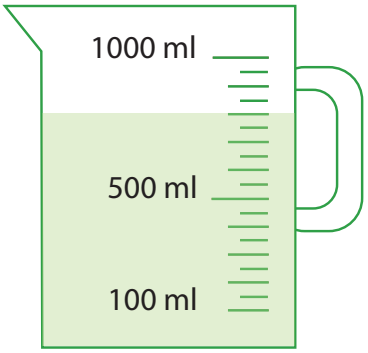
Juice in a Jug

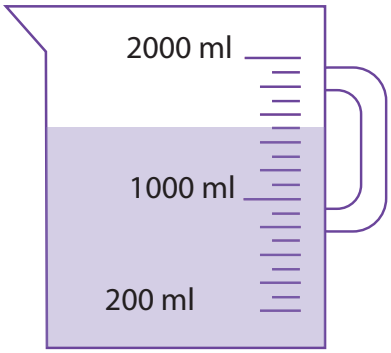
Practice Reading Measurement

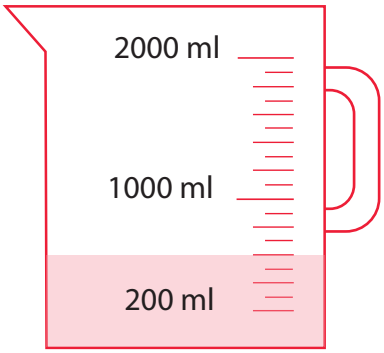
How much juice is in each jug? Write the correct amounts in the box.
* 1 Liter (L) equals 1000 milliliters (ml).

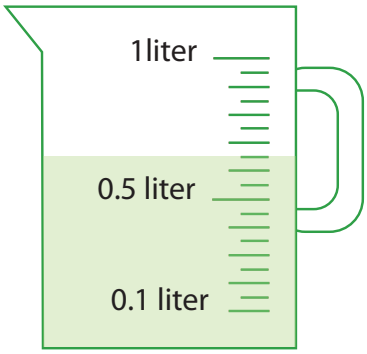


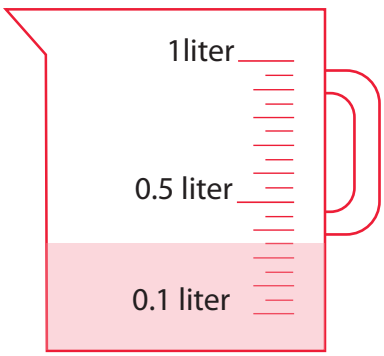
500 ml







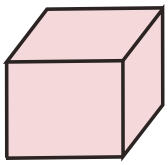




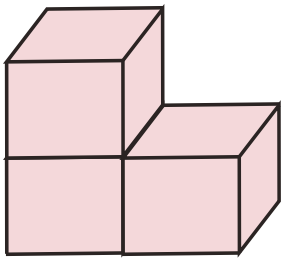
Math
Geometry

Counting Volume

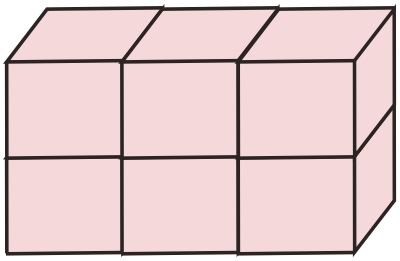
Find the volume by counting the cubic units. Write down the answer.
Note: some squares cannot be seen in a picture, but you know they are there.

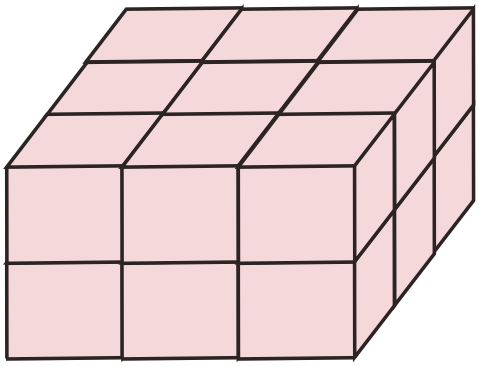


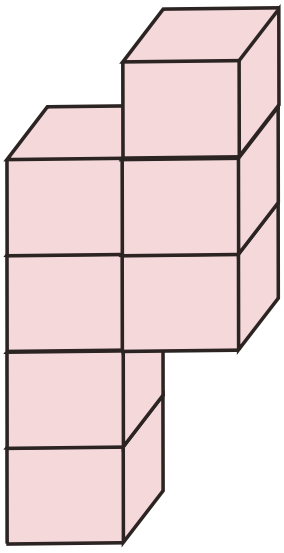
1 cubic unit

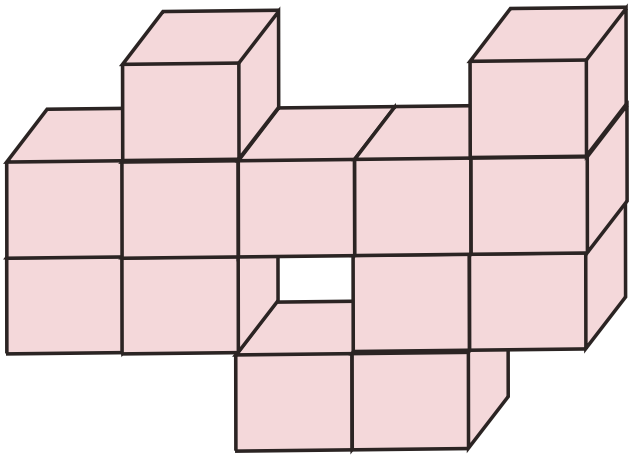


3 cubic units









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 _____ 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.

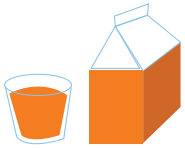
This bowl contains 10 _____ of fruit punch.

3rd Grade

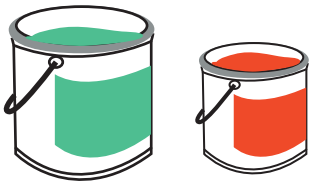
Learning about Volume

Word Problems

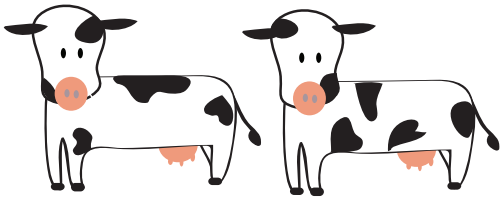
Answer the questions below and show your work.



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!

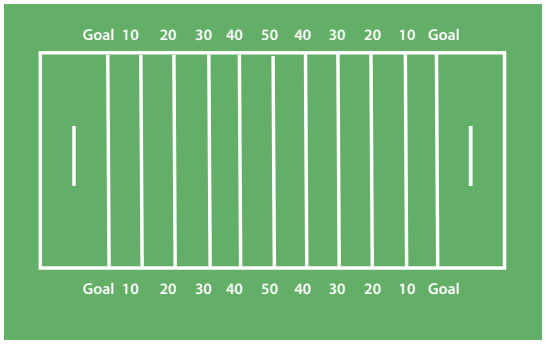
There are 10 liters of punch at the party.
How many milliliters are there?
(*Hint: 1 liter is equal to 1000 milliliters)

Math
Geometry

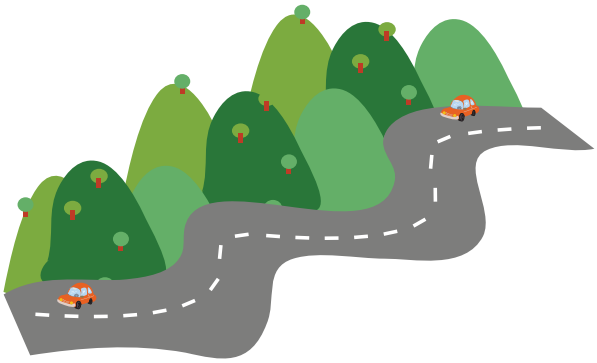
Choose The Unit: Length

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

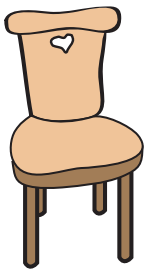


The football field measures 100 _____ long and 53 _____ wide.



We drove 60 _____ this weekend.

This pencil is 2 _____ high.



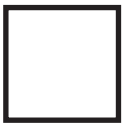
Grandma's new chair is 21 _____ wide.

The width of California is 250 _____.

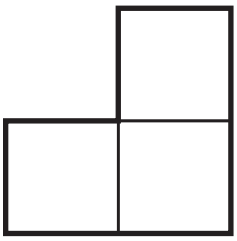
Math
Geometry

Counting Area

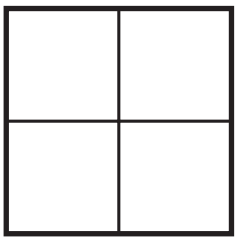
Find the areas below by counting the square units and write down the answers. Then, draw square units to make the area. See the example.



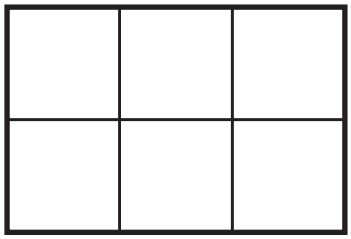
= 1 square unit



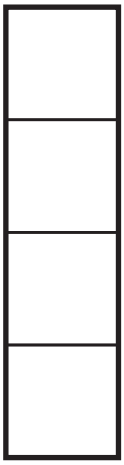
= 3 square units



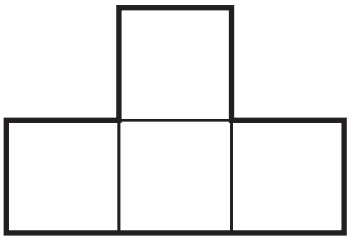
= _____



= _____

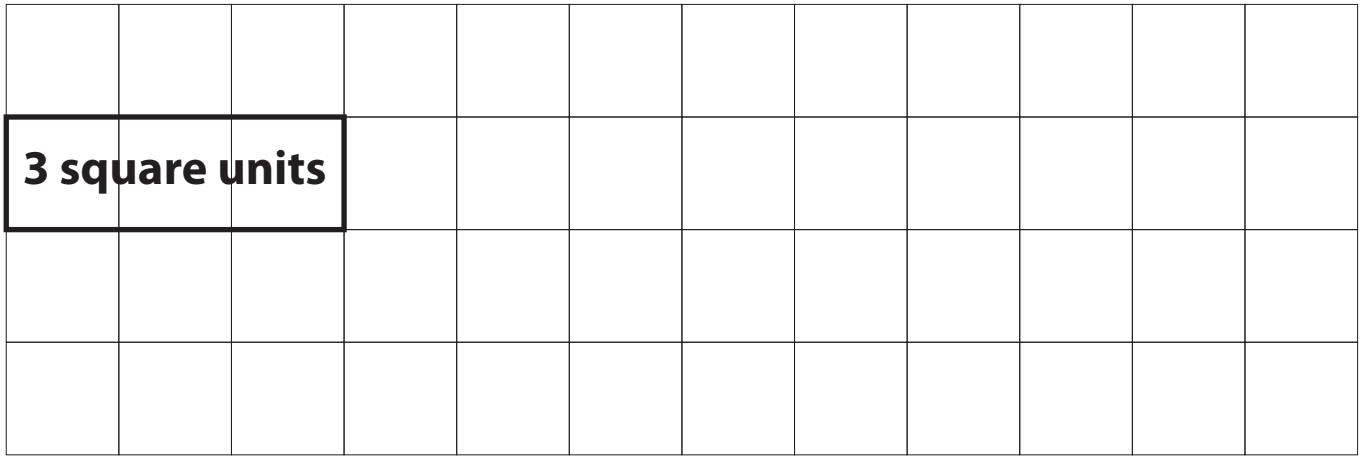


= _____



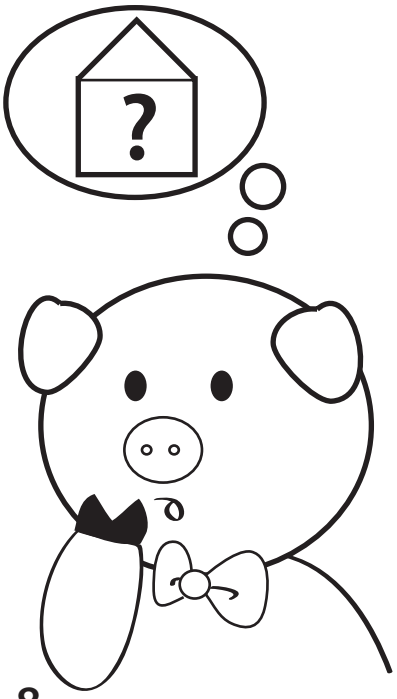
= _____

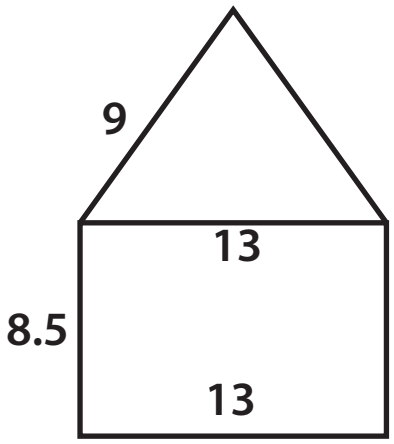
Now draw 7 square units of area and 8 square units of area.

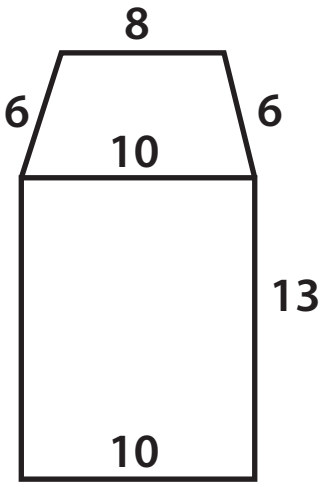


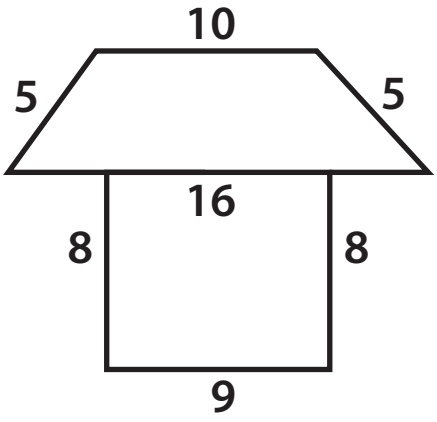
Piggy's House Hunting: Find the Perimeter

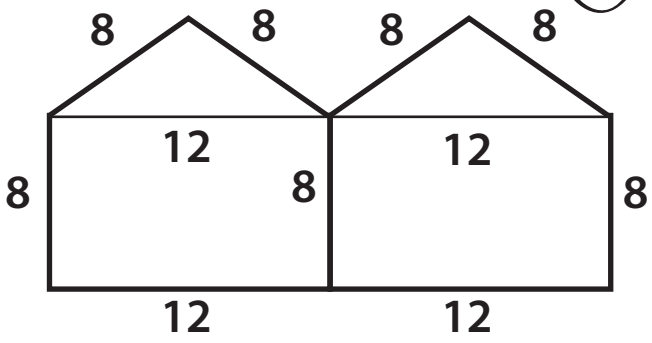
Piggy needs to find a house with the largest perimeter.
Help Piggy by finding the perimeter of each house.
Then color the largest one.

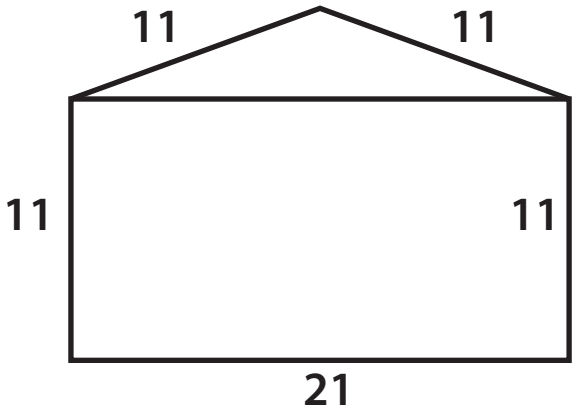


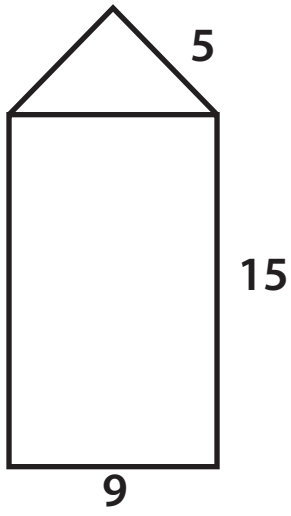


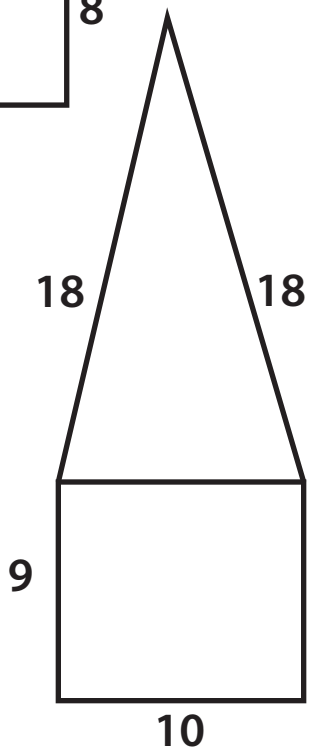






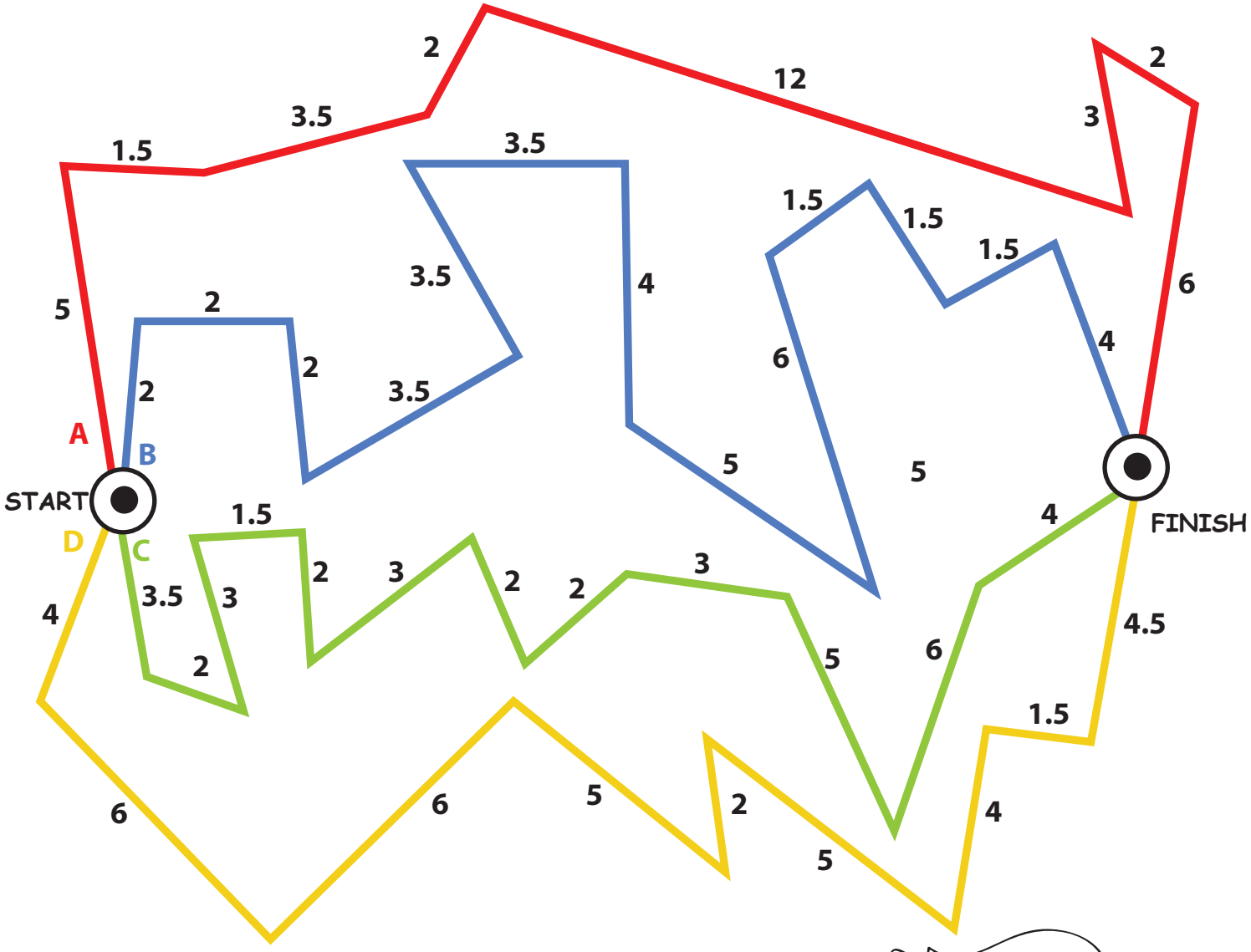






Run, Run, Run! Practicing the Perimeter

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



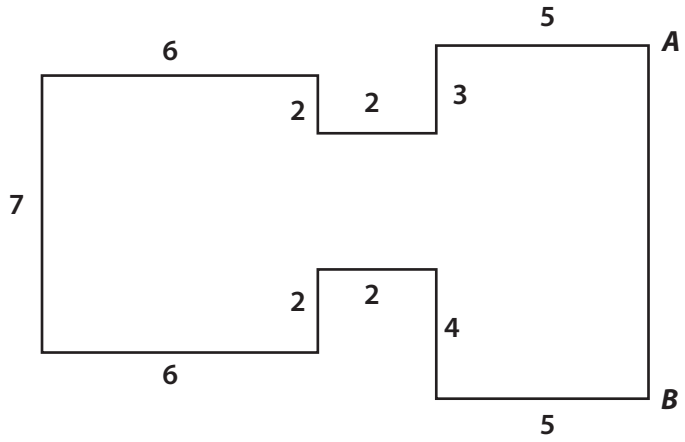
Write the training route here

Week 1: Route ____
Week 2: Route ____
Week 3: Route ____
Week 4: Route ____

Math
Geometry

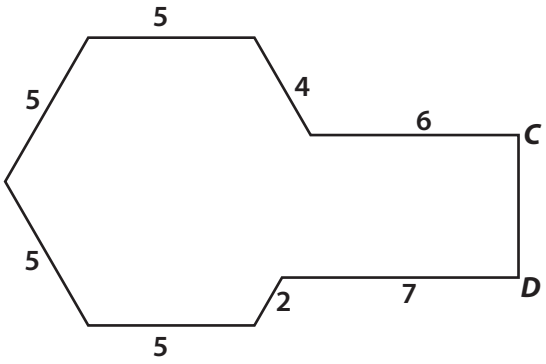
Find The Missing Side

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.



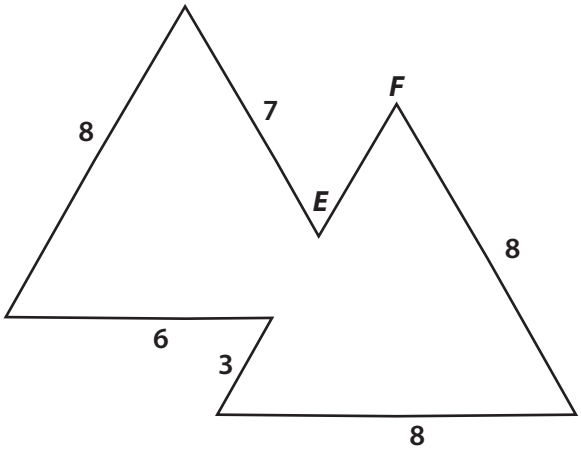
The perimeter of this object is ***54*** inches long.

Find the length of ***AB***.



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

Find the length of ***CD***.



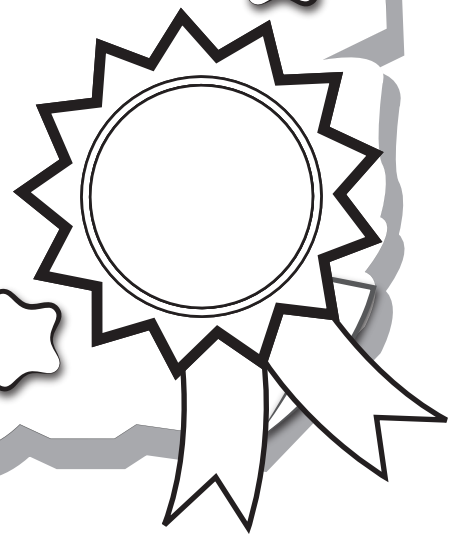
The perimeter of this object is ***43*** inches long.

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

Answer Sheet

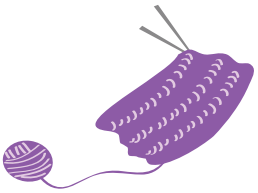
Math Time

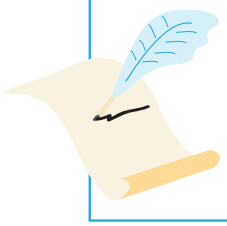
Hours, Days, and Weeks

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

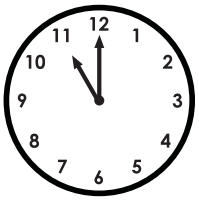
Answer Sheet

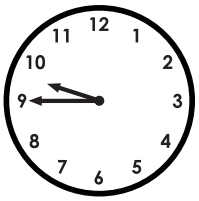
Time Flies!

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



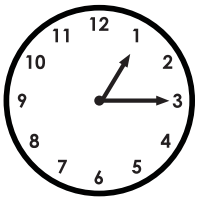


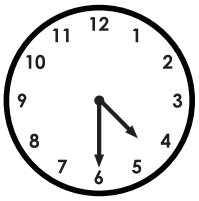
Jack went to the lake to go fishing at 9:45 a.m. and left the lake at 11:30 a.m. How long was he fishing?

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.



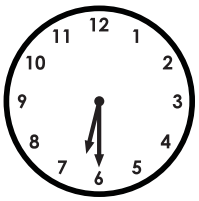


Seiler started his homework at 4:30 p.m. and finished at 5:15 p.m. How long did he work on his homework?

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.



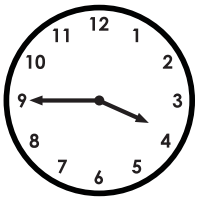
Answer Sheet

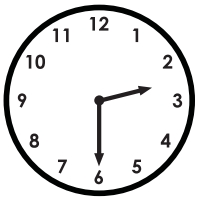
A Matter of Time

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



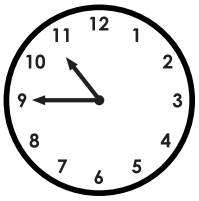


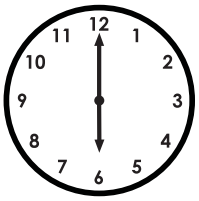
Nikki went to a concert that started at 2:30 p.m. It ended at 4:00 p.m. How long was the concert?

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



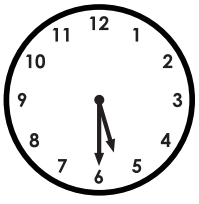


Mike went to see a movie at the theater that was 1 hour and 45 minutes long. It started 6:00 p.m. What time did it end?

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

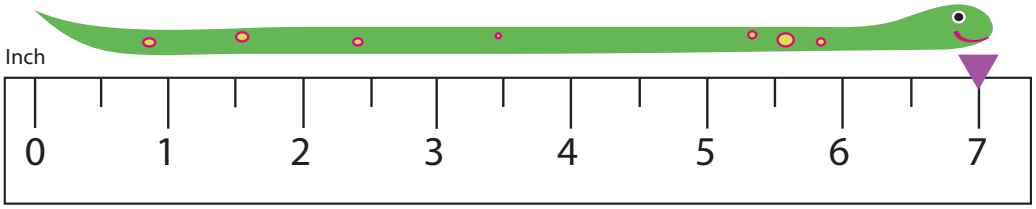
3rd Grade

Length

Practice Reading Measurement

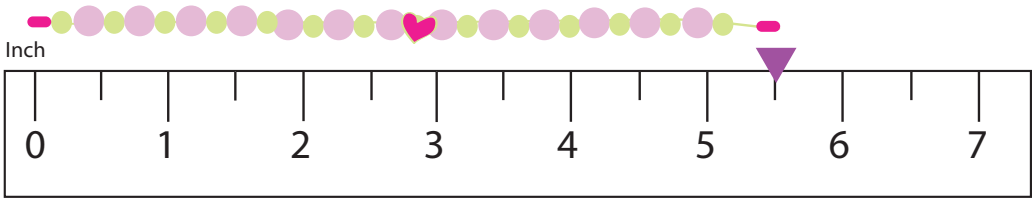
Write the correct length in the box.

How long is the snake?



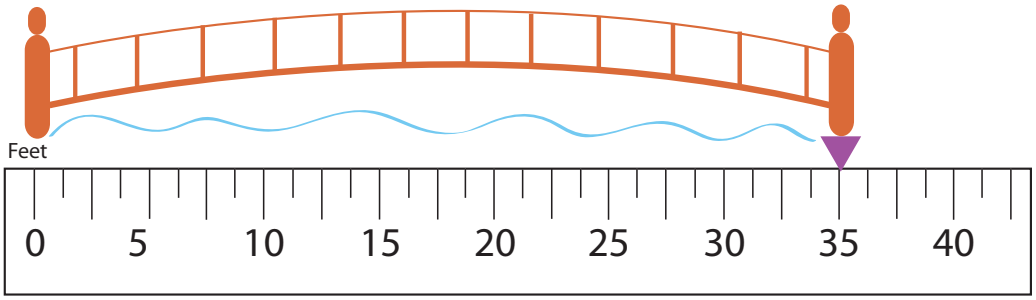
7"

How long is the necklace?



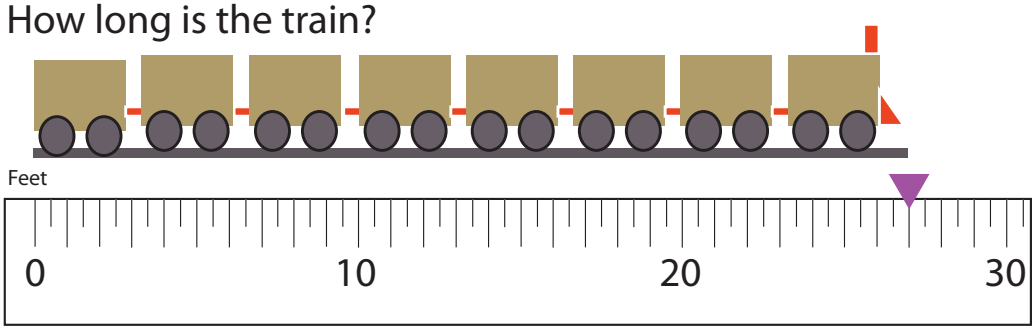
5½"

How long is the bridge?



35'

How long is the train?



27'

Answer Sheet

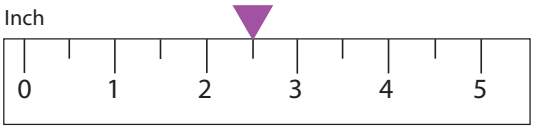
3rd Grade

Mark it!

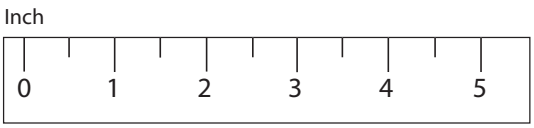
Practice Identifying Measurement

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

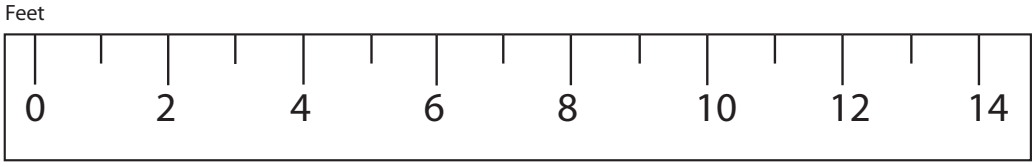
This carrot is 2.5 inches long.

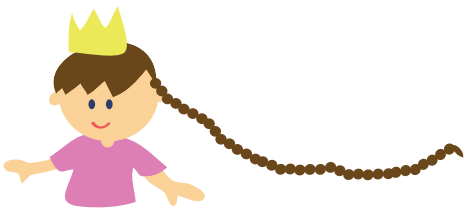


Mr. Smith's saw is 5 inches long.

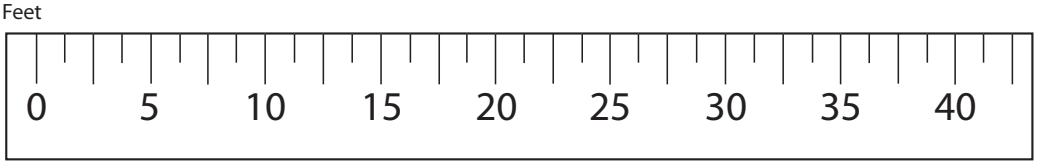


Minnie draws a line 4 feet long.

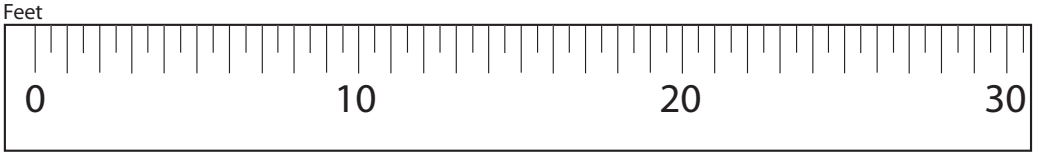




The princess' braid is 7.5 feet long.



The dragon's tail is 11.5 feet long.



Answer Sheet

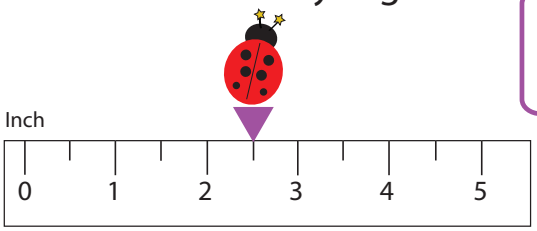
3rd Grade

Distance

Practice Reading Measurement

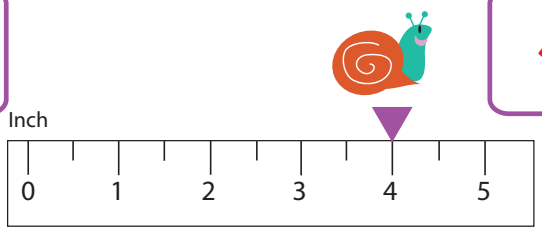
Write the correct distance in the box.

How far did the ladybug travel?



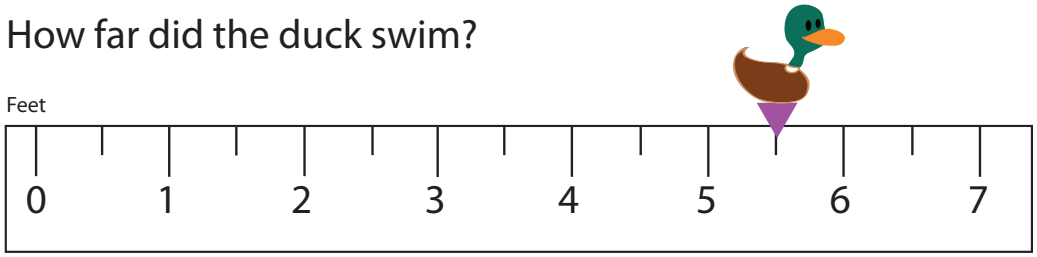
2½"

How far did the snail travel?



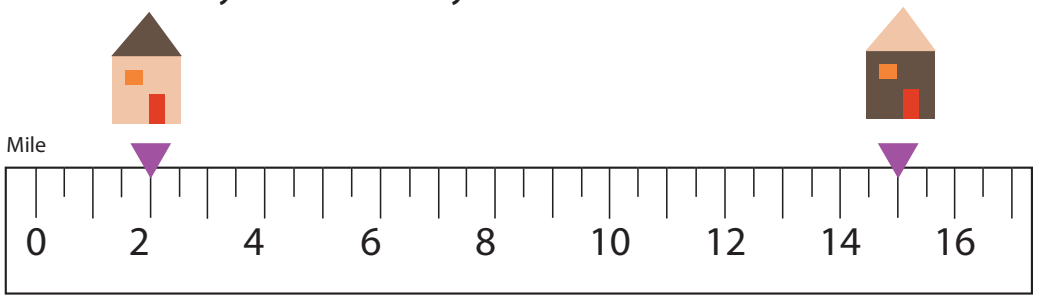
4"

How far did the duck swim?



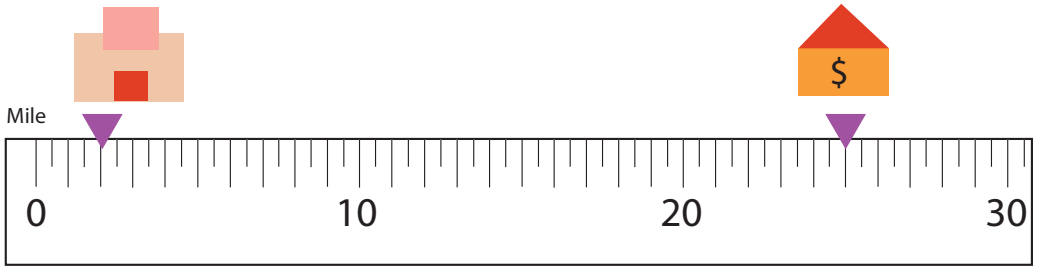
5'

How far is my house from yours?



13 miles

How far is the bakery from the bank?



23 miles

Answer Sheet

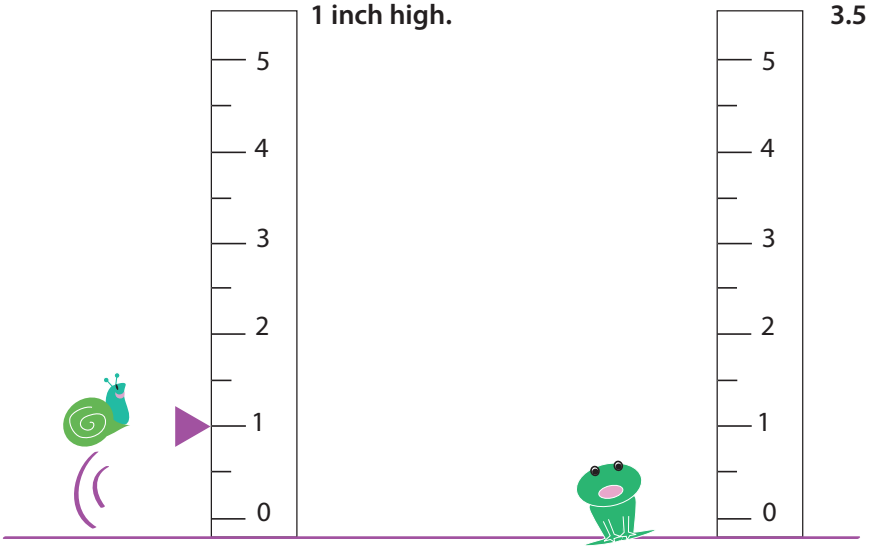
3rd Grade

Jump!

Practice Identifying Measurement

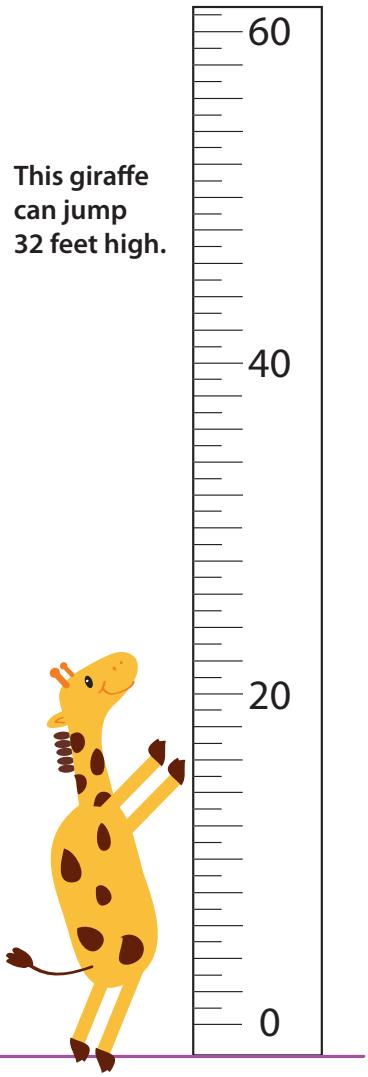
Mark the height of each jump on the ruler. See the example.

This snail can jump 1 inch high.

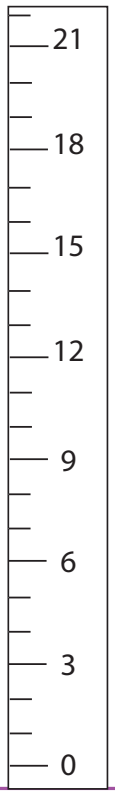


This frog can jump 3.5 inches high.

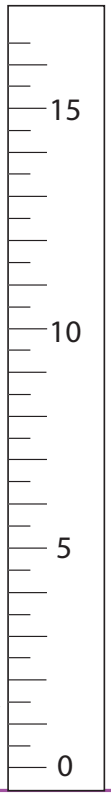
This giraffe can jump 32 feet high.



This monkey can jump 7 feet high.



This penguin can jump 6.5 feet high.

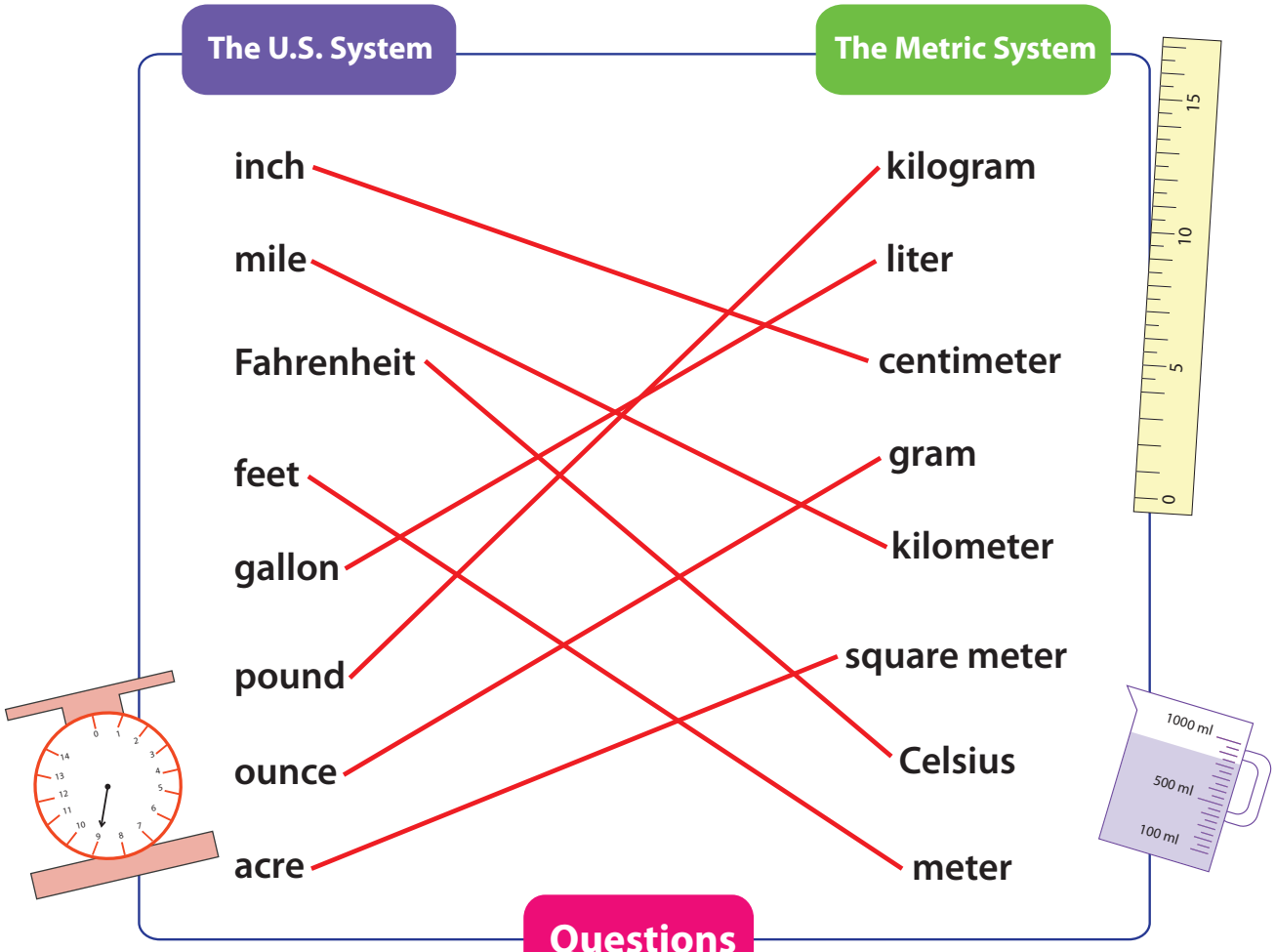


Answer Sheet

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.



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

Answer Sheet

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 **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

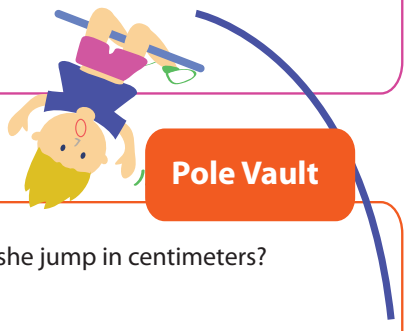
Answer the problems below. Don't forget to change the units of measurements. Show your work.
***Remember:** * 1 meter equals 100 centimeters*
*** 1 kilometer equals 1000 meters*

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

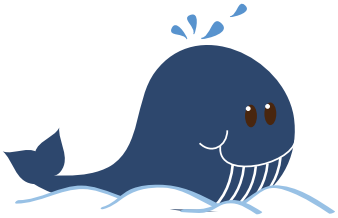
1. Kelly jumped 6 meters, 45 centimeters on her first jump. How high did she jump in centimeters?
   645 centimeters
2. Alex jumped 5 meters, 99 centimeters. How high did he jump in centimeters?
   599 centimeters
3. What is the difference in centimeters between Kelly's jump and Alex's jump?
   46 centimeters

Answer Sheet

3rd Grade

Learning about Weight

Word Problems
Answer the questions below and show your work.




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

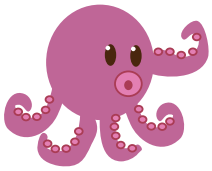
1,000kg
- 50kg
950kg

The whale is 950 kilograms heavier than the turtle.

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?



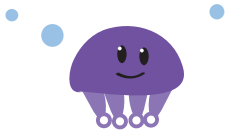

This octopus weighs 75 kilograms.
Theis starfish weighs 5 kilograms.
How much heavier is the octopus?

75kg
- 5kg
70kg

The octopus is 70 kilograms heavier than the starfish.

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

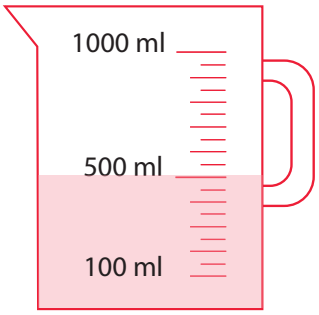
Answer Sheet

3th Grade

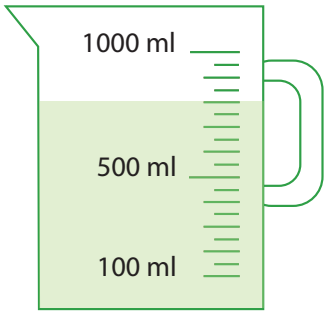
Juice in a Jug

Practice Reading Measurement

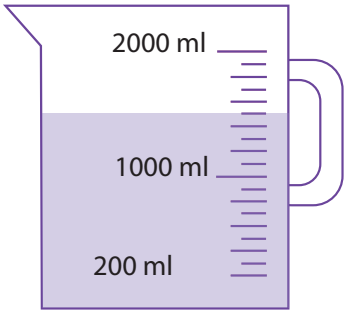
How much juice is in each jug? Write the correct amounts in the box.
* 1 Liter (L) equals 1000 milliliters (ml).



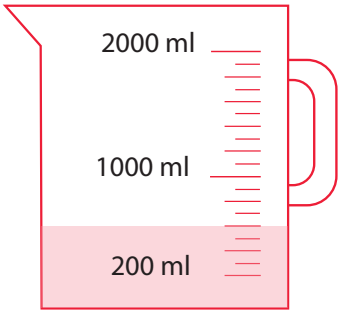
500 ml



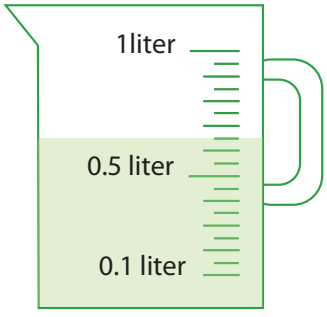
800 ml



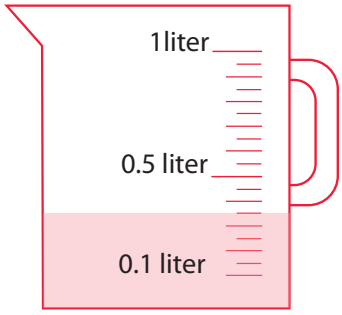
1500 ml



500 ml



0.65 L



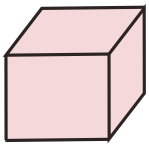
0.35 L

Answer Sheet

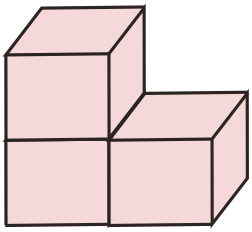
Math
Geometry

Counting Volume

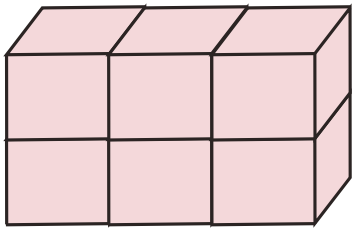
Find the volume by counting the cubic units. Write down the answer.
Note: some squares cannot be seen in a picture, but you know they are there.



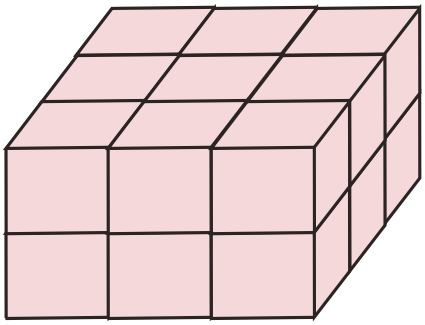
1 cubic unit



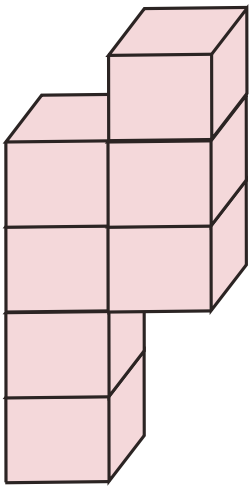
3 cubic units



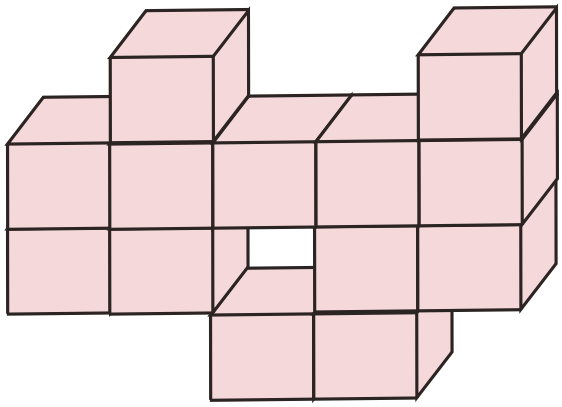
6 cubic units



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.

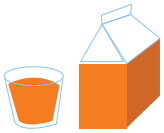
This bowl contains 10 _____cups_____ of fruit punch.

Answer Sheet

3rd Grade

Learning about Volume

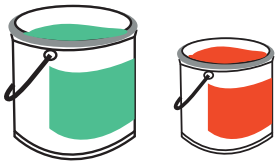
Word Problems
Answer the questions below and show your work.



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

```
  500
- 200
-----
  300
```

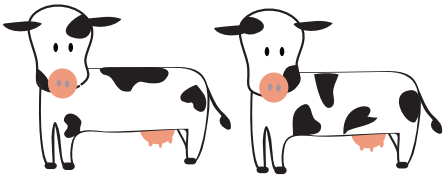
The box holds 300 more milliliters of orange juice than the glass.



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?

```
  720
- 550
-----
  170
```

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



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

```
  317
- 200
-----
  117
```

Hallie produced 117 more liters of milk than Marlene.

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?

```
  100
-  78
-----
   22
```

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

Challenge!

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

```
 1,000
 x  10
------
10,000
```

There are 10,000 milliliters of punch at the party.

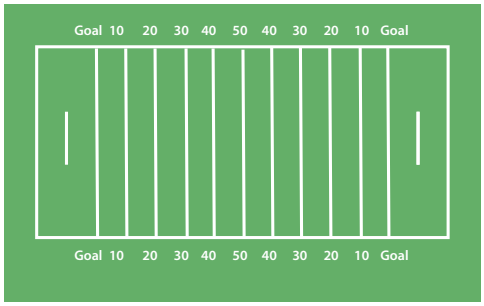
Answer Sheet

Math
Geometry

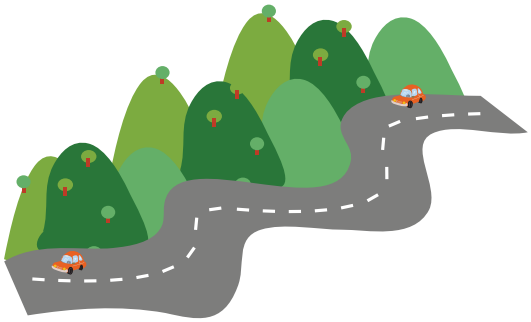
Choose The Unit: Length

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

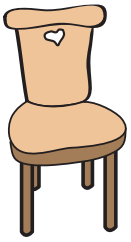


The football field measures 100 ___yards___ long and 53 ___yards___ wide.



We drove 60 ___miles___ this weekend.

This pencil is 2 ___inches___ high.



Grandma's new chair is 21 ___inches___ wide.

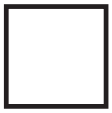
The width of California is 250 ___miles___.

Answer Sheet

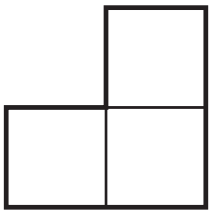
Math
Geometry

Counting Area

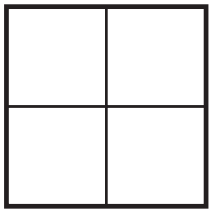
Find the areas below by counting the square units and write down the answers. Then, draw square units to make the area. See the example.



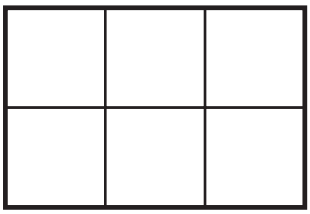
= 1 square unit



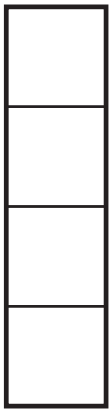
= 3 square units



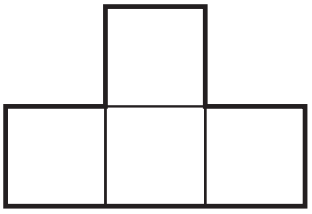
= 4 square units



= 6 square units

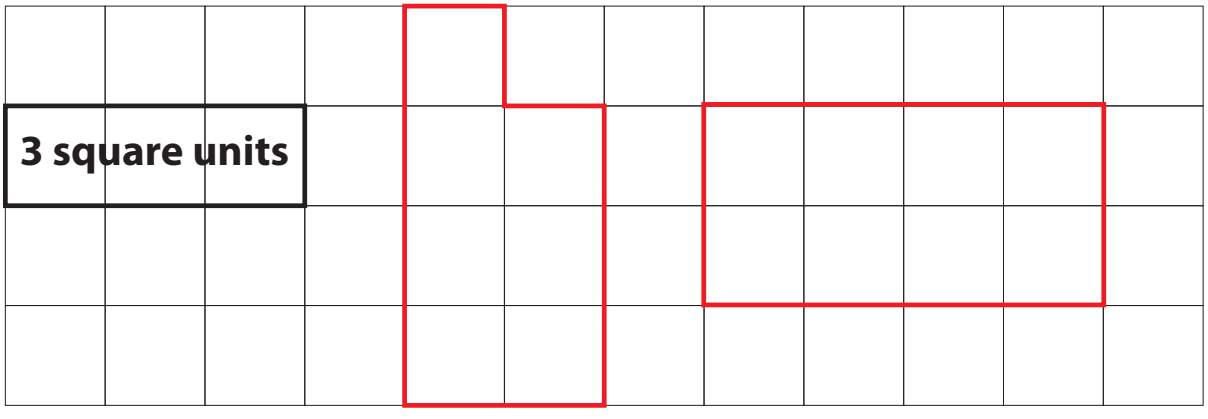


= 4 square units



= 4 square units

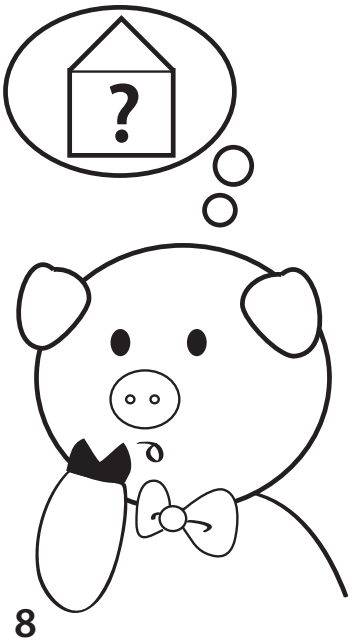
Now draw 7 square units of area and 8 square units of area.

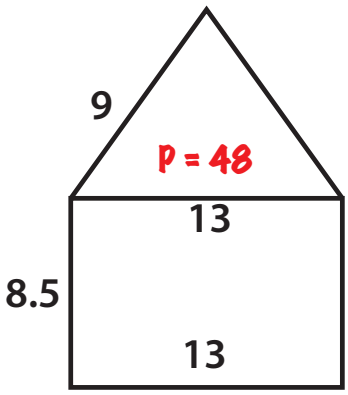


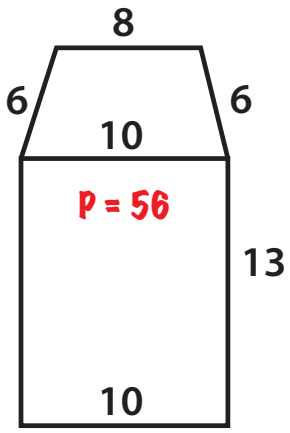
Answer Sheet

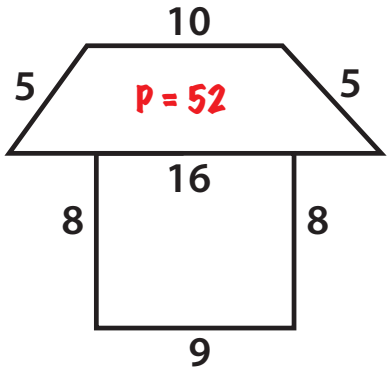
Piggy's House Hunting: Find the Perimeter

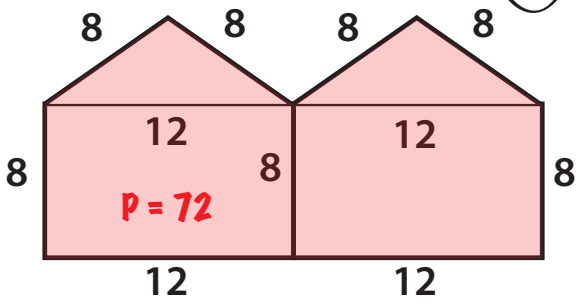
Piggy needs to find a house with the largest perimeter.
Help Piggy by finding the perimeter of each house.
Then color the largest one.

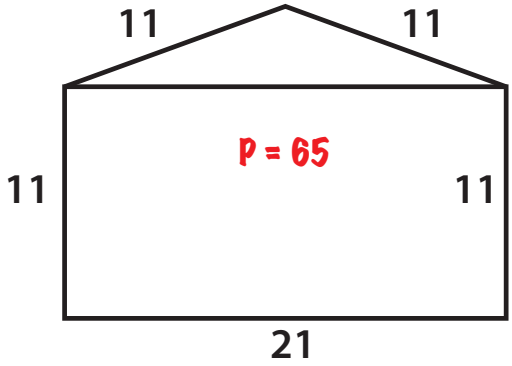


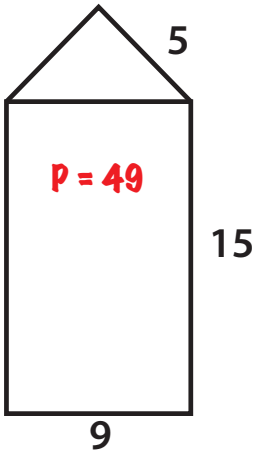


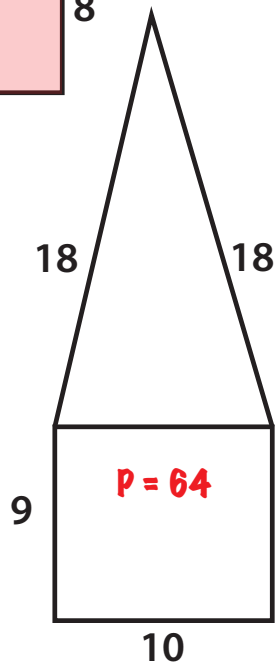








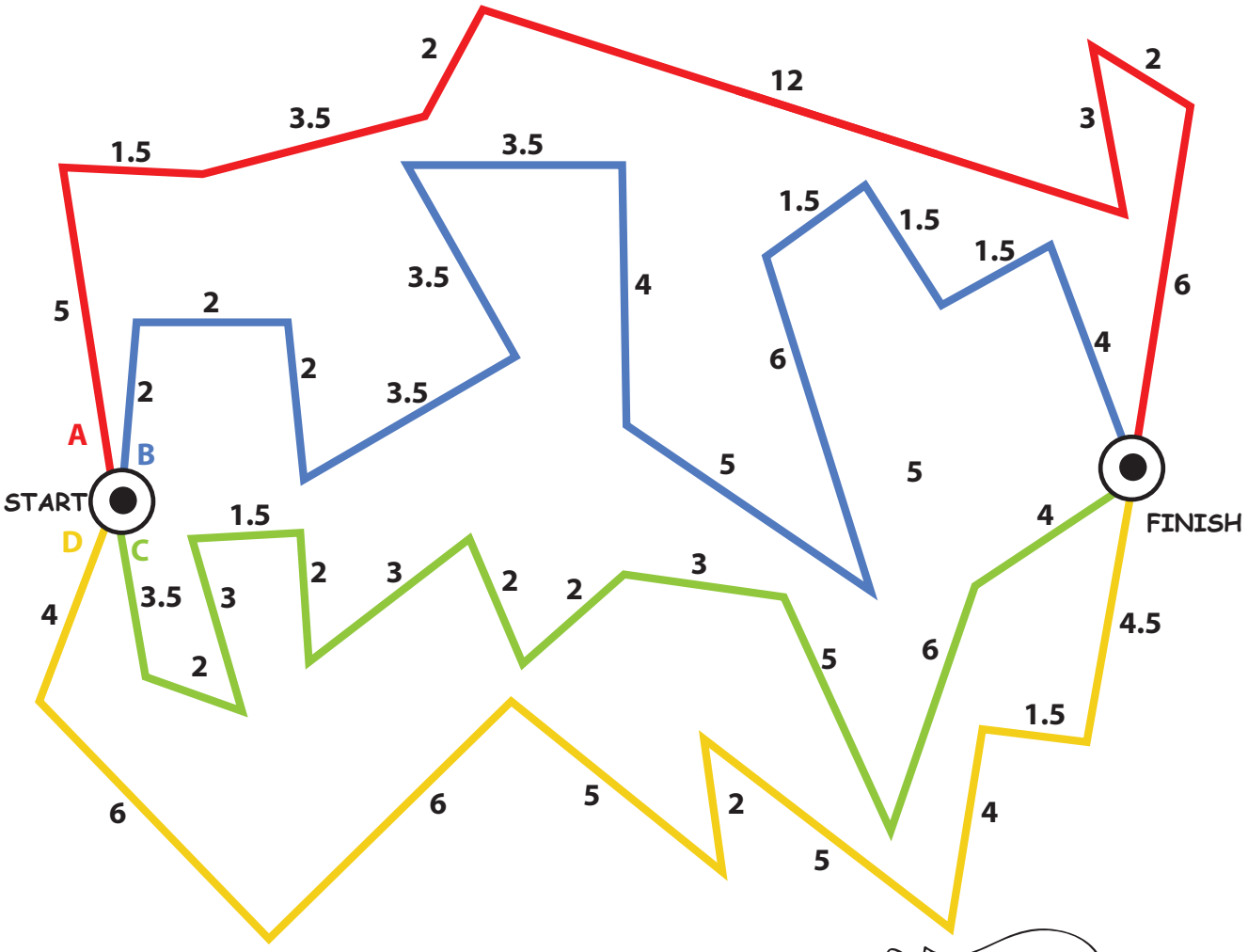




Answer Sheet

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

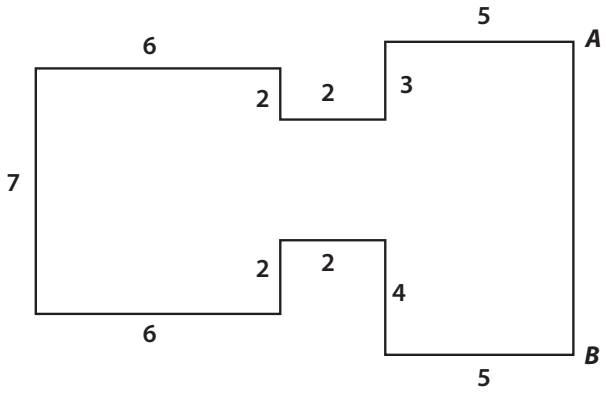
Week 1: Route A = 35 miles
Week 2: Route C = 37 miles
Week 3: Route D = 38 miles
Week 4: Route B = 40 miles

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.

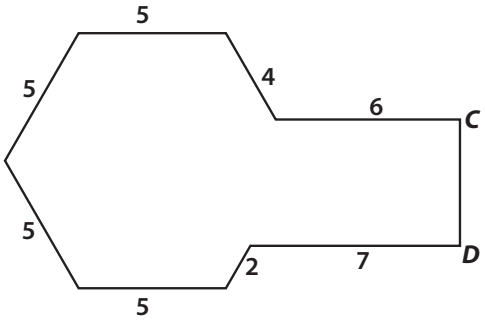


The perimeter of this object is *54* inches long.

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.

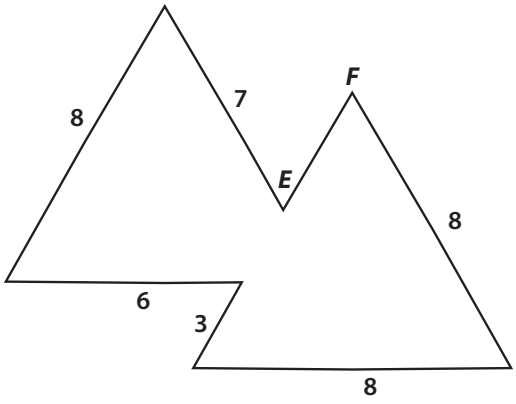


The perimeter of this object is *43* inches long.

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.