For Good MEASURE



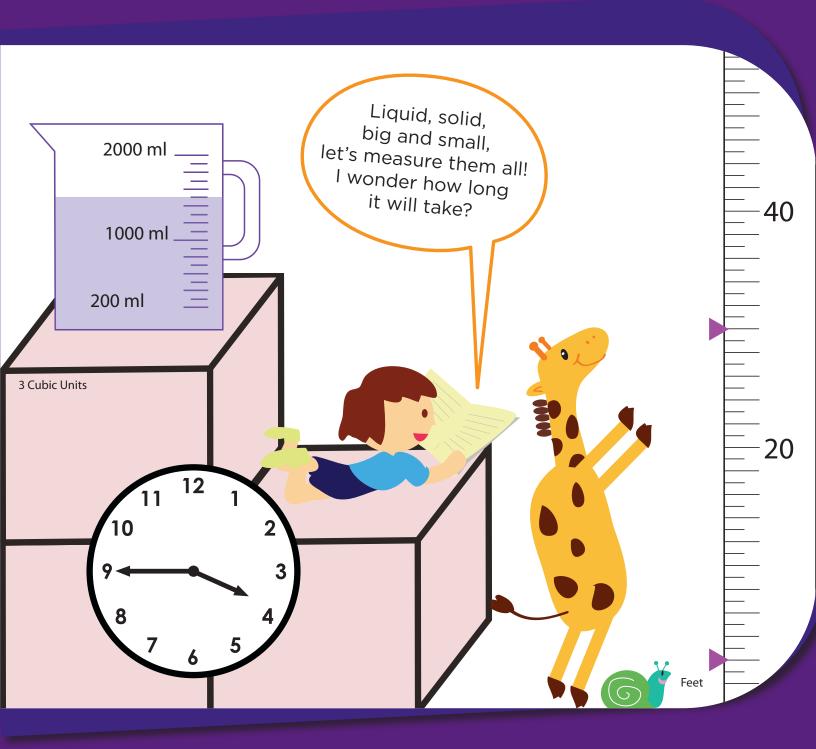


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Certificate of Completion

Certificate of Completion

Answer Sheets

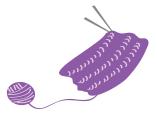
* Has an Answer Sheet



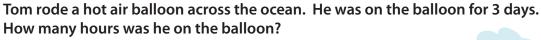
Hours, Days, and Weeks

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?





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?

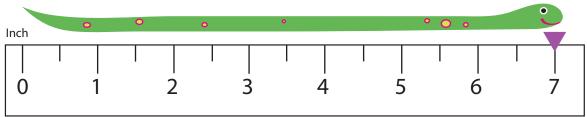
It started snowing outside at 5:30 p.m. It stopped snowing at 6:45 p.m. How long did it snow?





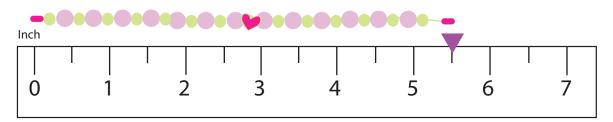
Write the correct length in the box.

How long is the snake?



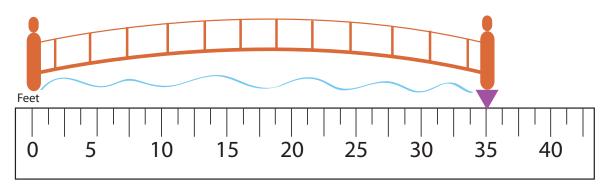


How long is the necklace?



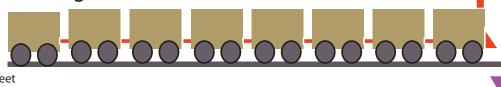


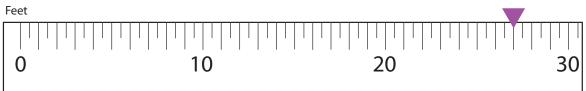
How long is the bridge?





How long is the train?



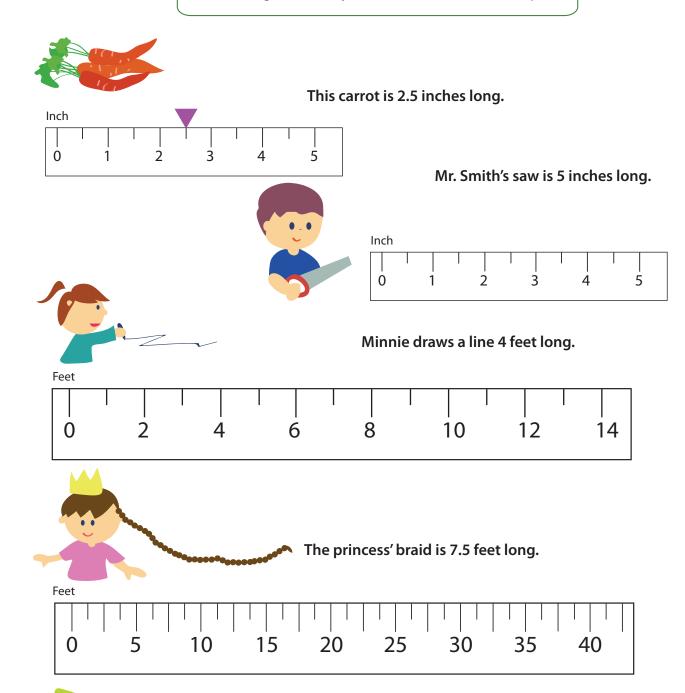


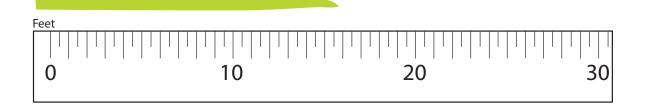




Practice Identifying Measurement

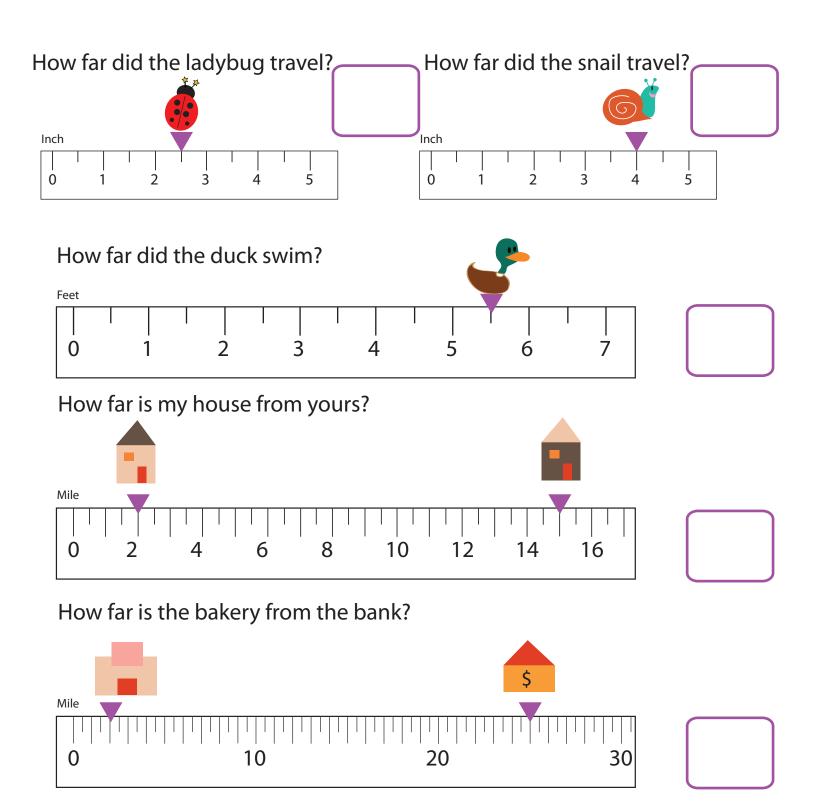
Mark the length of the object on the ruler. See the example.





The dragon's tail is 11.5 feet long.

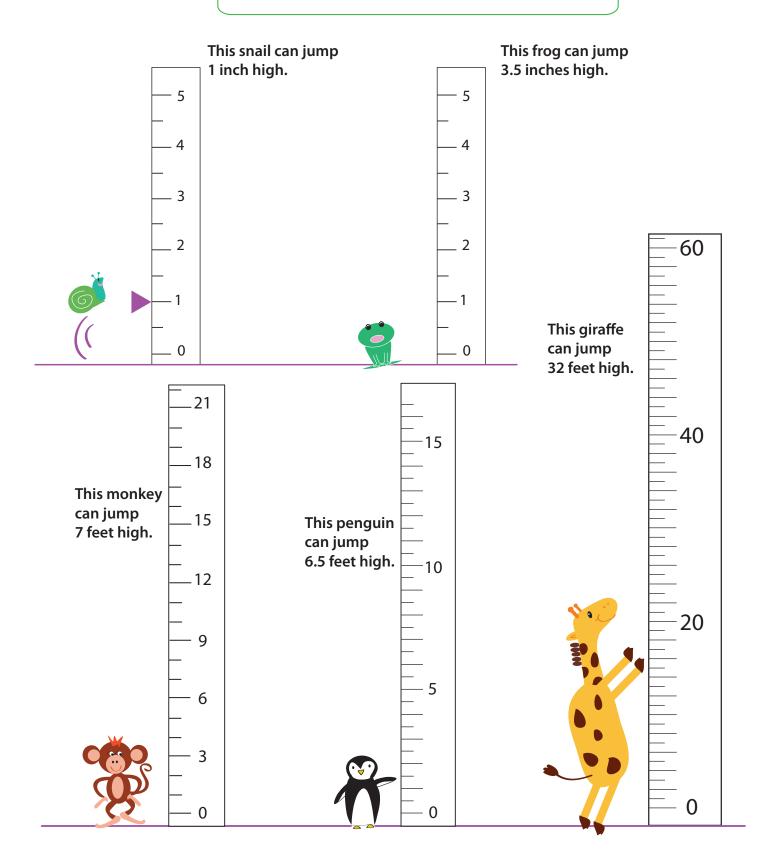






Practice Identifying Measurement

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





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

centimeter **Fahrenheit**

gram feet

kilometer gallon

square meter pound

Celsius ounce

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?

1000 m/

100 ml

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. in London 2. Brr!! It is -2 degrees while it is 14 degrees in San Francisco. of pork to Mr. Smith. 3. The butcher sold 5 of lemonade after her workout. 4. Sammy drinks 1 taller than the shrub. 5. This palm tree is 2 long. 6. Lisa's ponytail is 12 kilograms feet pounds **Fahrenheit** Celsius inches miles quart meters liter kilometers centimeters

Practice Changing Units

Answer the problems below. Don't forget to change the units of measurements. Show your work.

** 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?



- 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?



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!



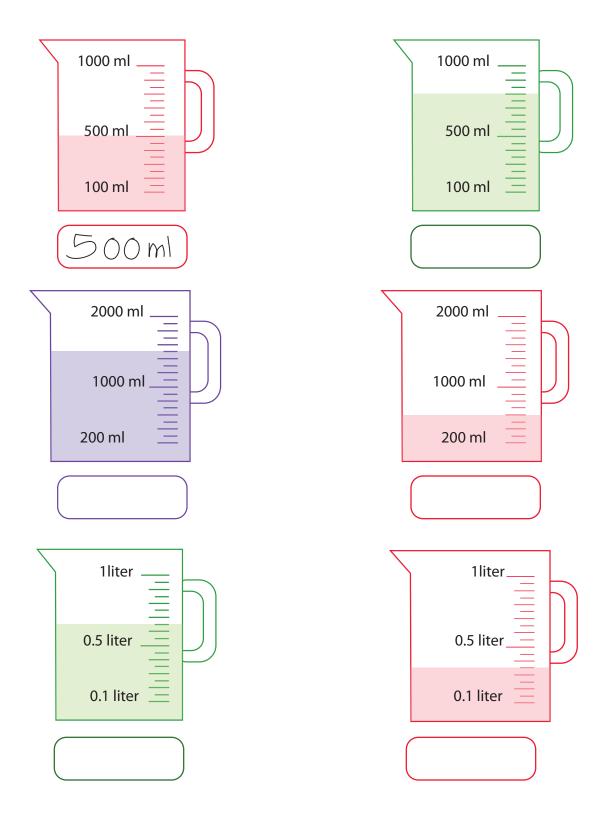


This dog weighs 10 kilograms. This robin weighs 5 grams. How much heavier is the dog? (*Hint: 1 kilogram is equal to 1000 grams).



Practice Reading Measurement

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



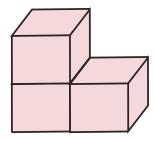


Counting Volume

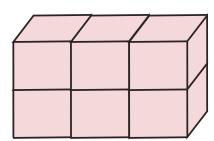
Find the volume by counting the cubic units. Write down the answer. Note: some squares cannot be seen in a picture, but you know they are there.

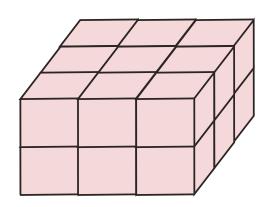


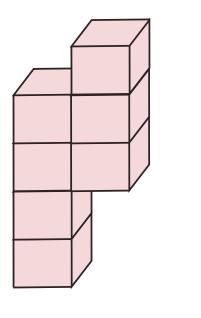
1 cubic unit

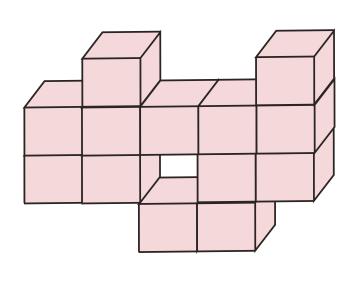


3 cubic units





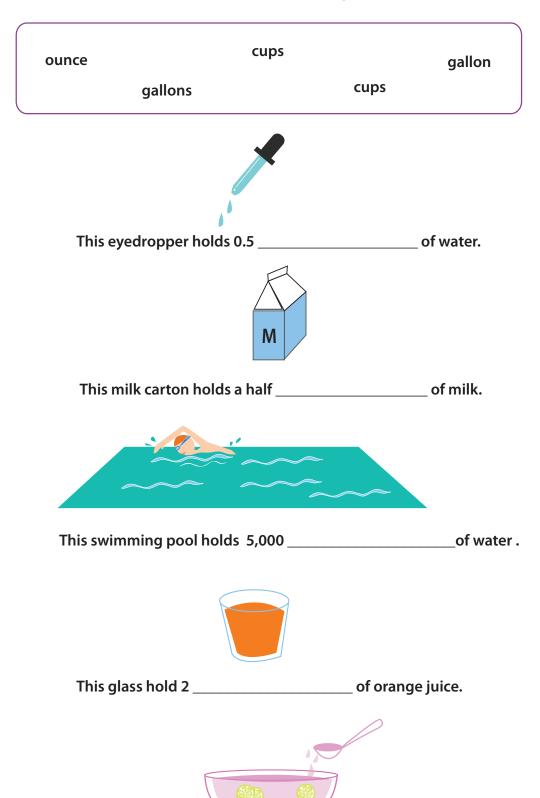






Choose The Unit: Liquid Volume

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.



This bowl contains 10 __

of fruit punch.



Word Problems

Answer the questions below and show your work.

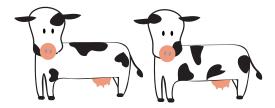


This glass holds 200 milliliters of orange juice. This box holds 500 milliliters of orange juice. How much more does the box hold?





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



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





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

Challenge!



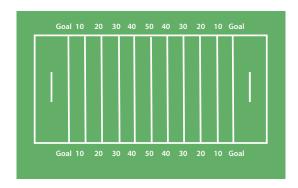
There are 10 liters of punch at the party. How many milliliters are there? (*Hint: 1 liter is equal to 1000 milliliters)



Choose The Unit: Length

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

miles inches miles
yards feet yards



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



We drove 60 _____ this weekend.



This pencil is 2 _____ high.



Grandma's new chair is 21 _____ wide.



The width of California is 250 ______.



Counting Area

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

= 1 square unit	= 3 square units
=	=
=	=

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

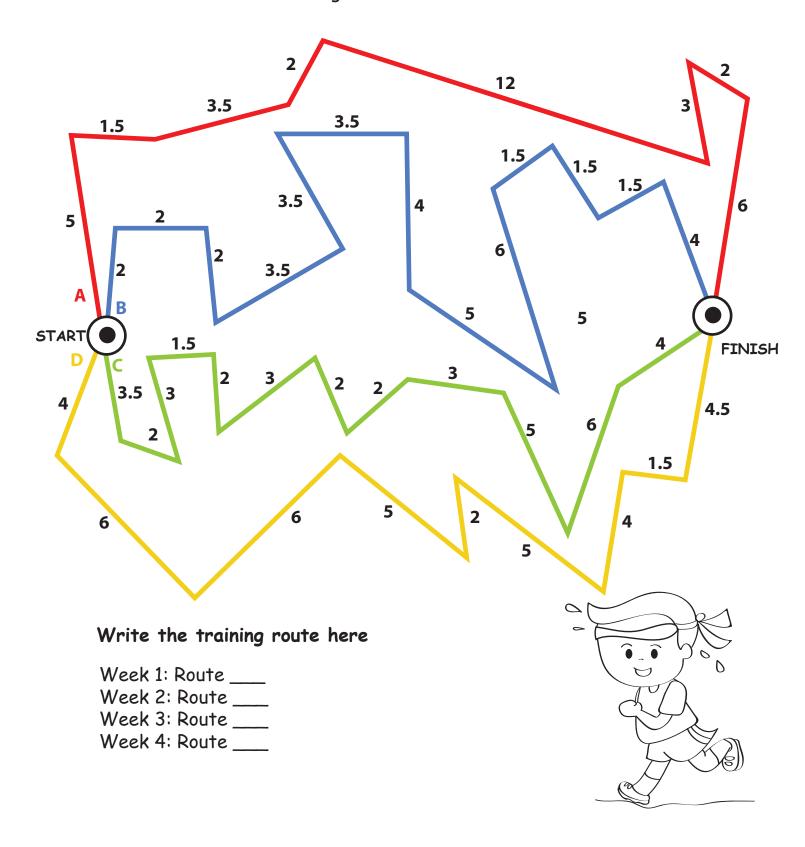
3 sq	uare (ınits					

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. 8.5 <u>12</u> <u>12</u>

Run, Run! Practicing the Perimeter

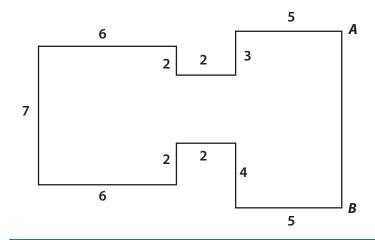
Help the runner pick the route to train for each week. Each week his run should be longer than the week before.





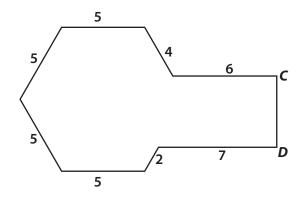
Find The Missing Side

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.



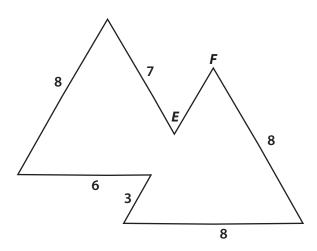
The perimeter of this object is **54** inches long.

Find the length of AB.



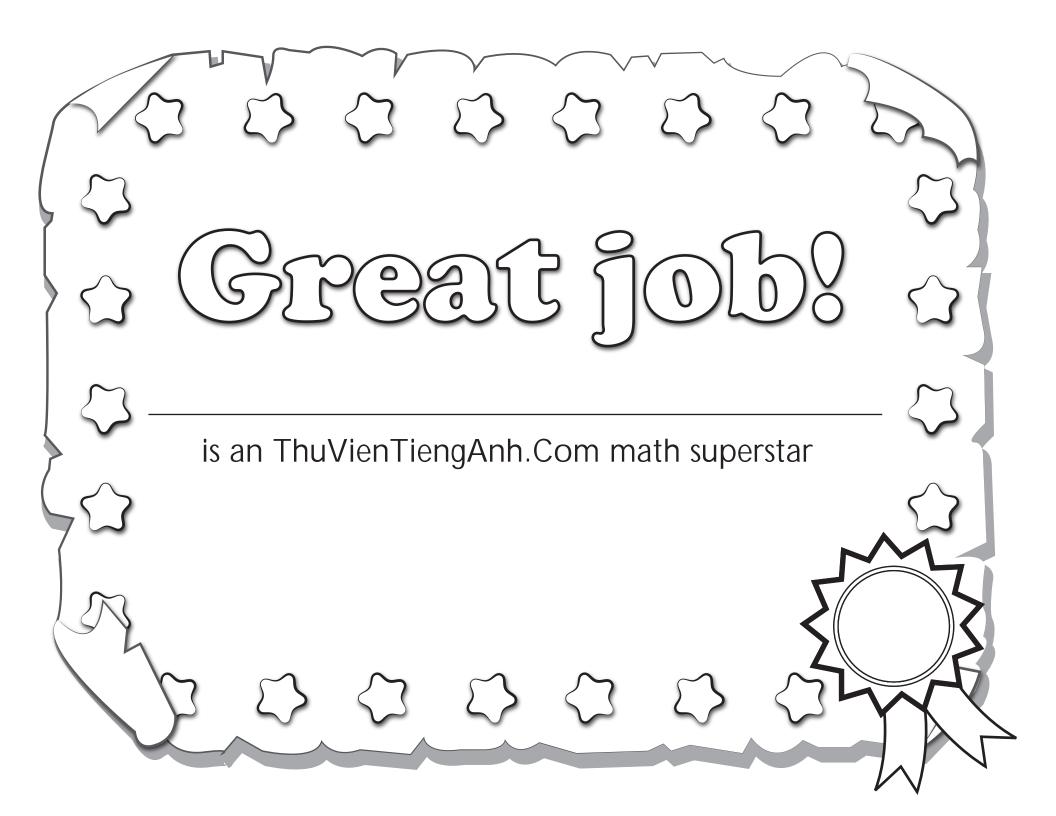
The perimeter of this object is **43** inches long.

Find the length of *CD*.



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

Find the length of EF.



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



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.

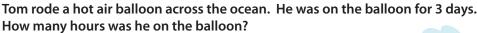
Grandma knitted a scarf for me in 2 weeks. How many days did it take her?

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



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

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



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





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

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?

1 hour, 30 minutes





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

1 hour, 45 minutes

Rich went for a 1 hour hike with his brother.

They started at 1:15 p.m. What time did they finish their hike?

2:15 p.m.





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

45 minutes

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

9:00 p.m.



A Matter of Time

Answer the questions about time.

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

4 hours





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

1 hour, 30 minutes

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

1 hour. 15 minutes





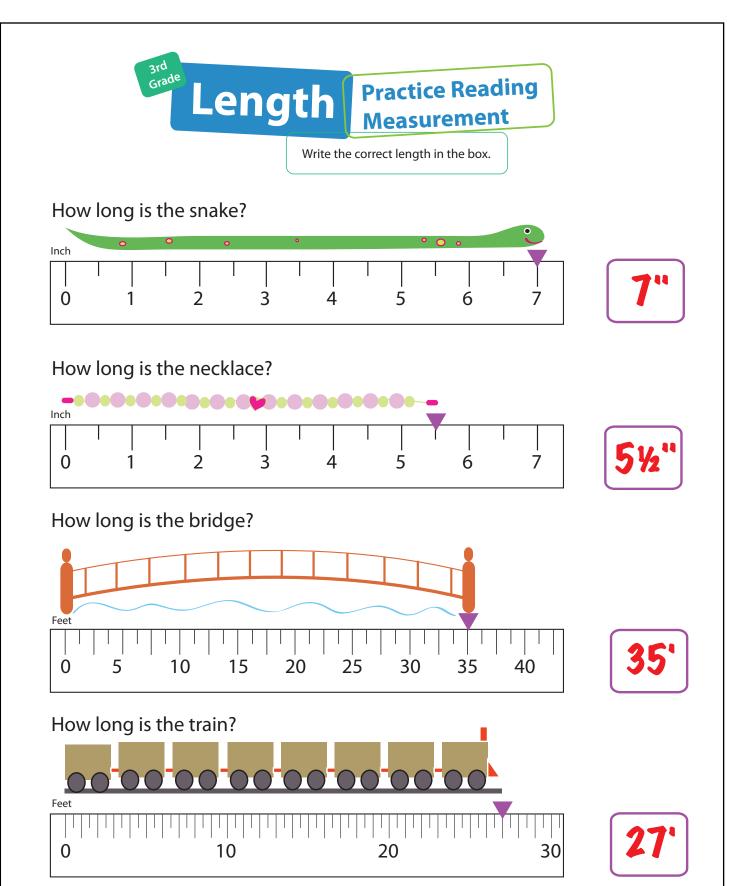
Mike went to see a movie at the theater that was 1 hour and 45 minutes long. It started 6:00 p.m. What time did it end?

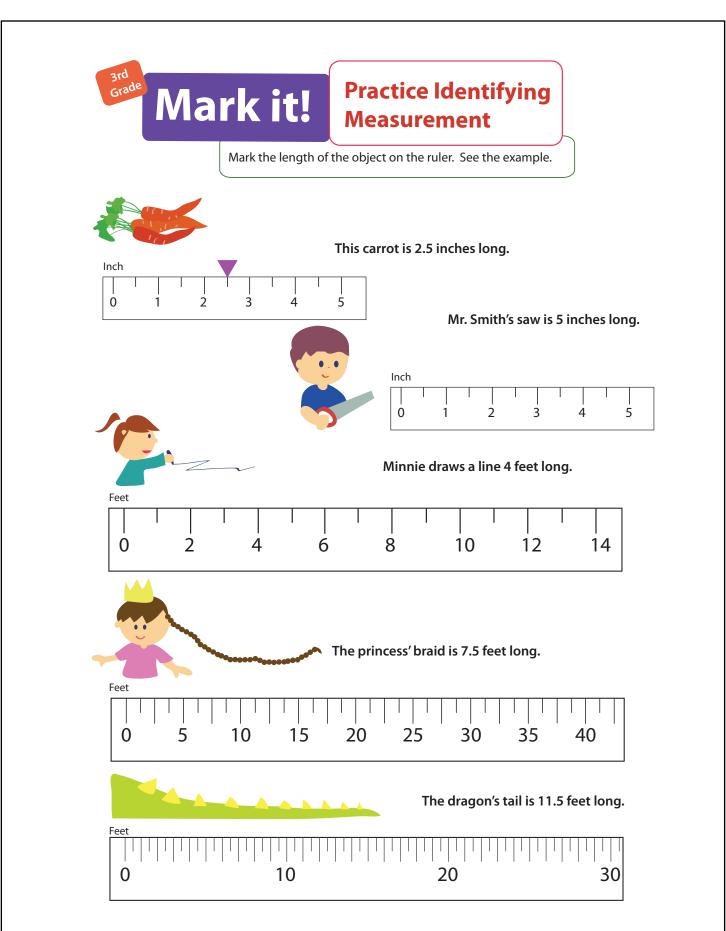
7:45 p.m.

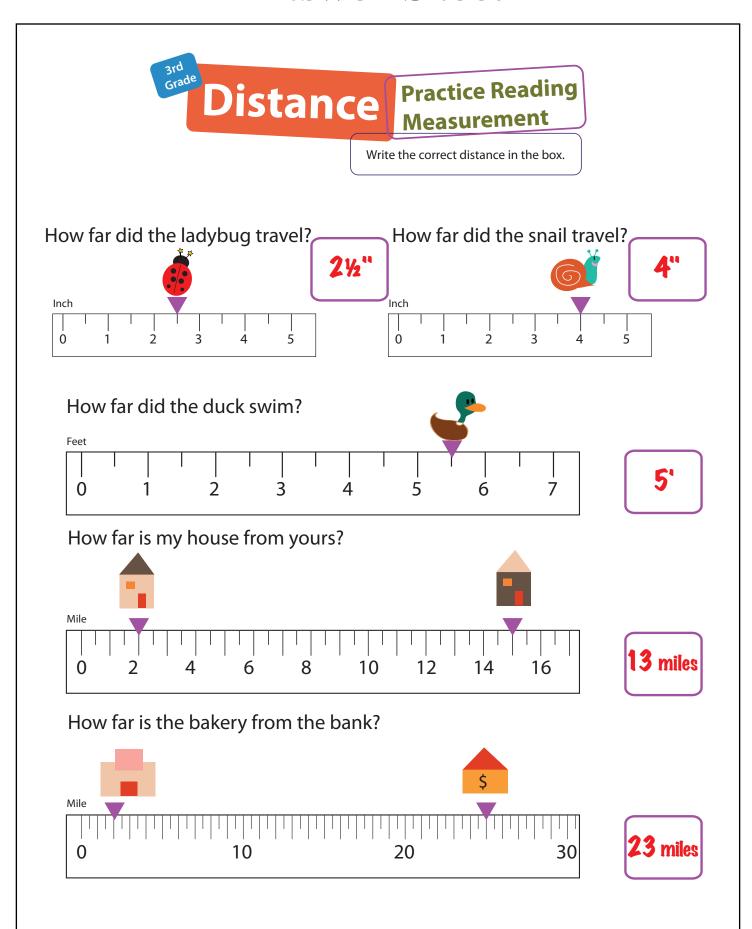
It started snowing outside at 5:30 p.m. It stopped snowing at 6:45 p.m. How long did it snow?

1 hour, 15 minutes

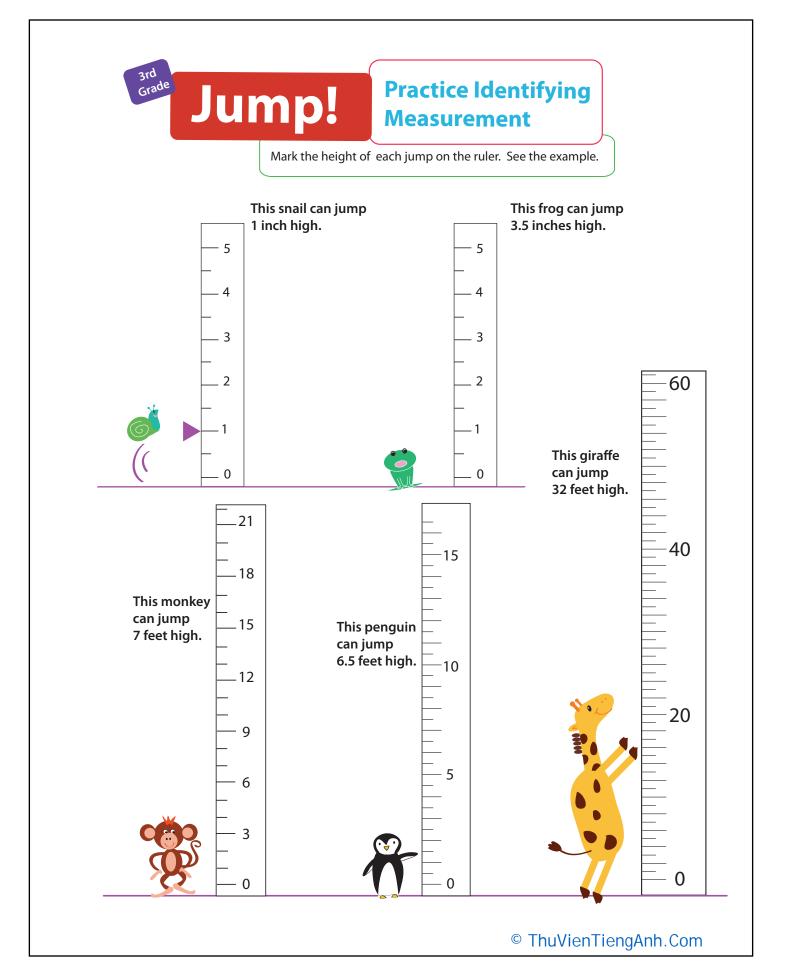






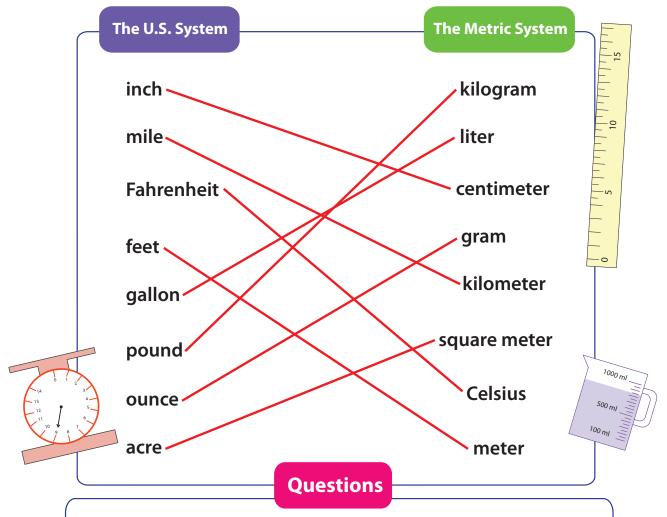


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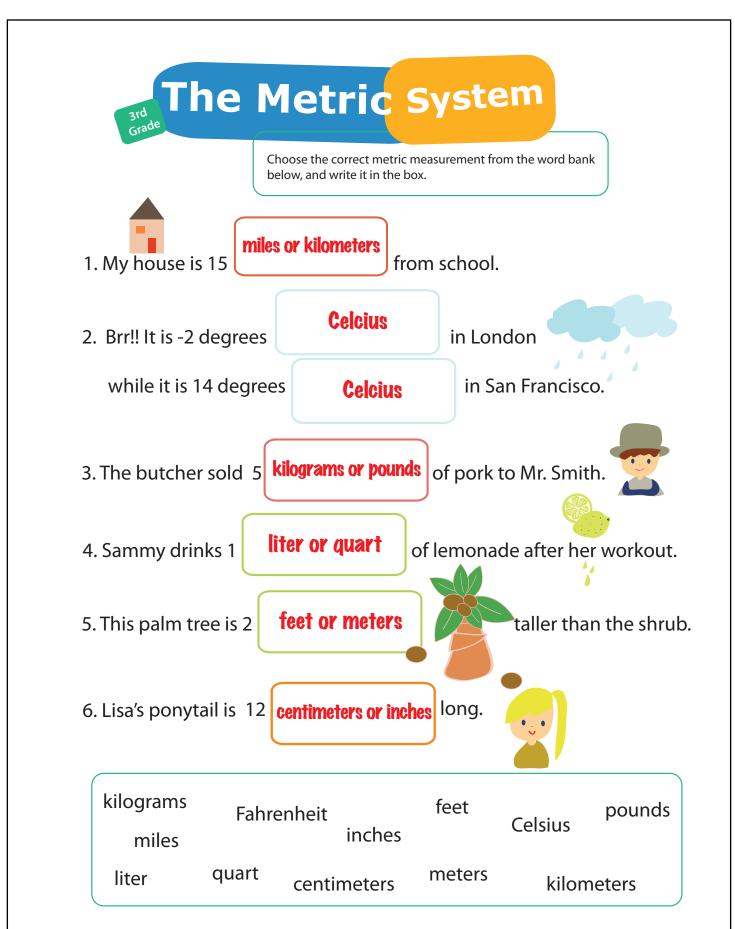




Draw a line to match the US units with the closest metric unit. Then answer the questions below using the correct metric unit of measurement.



- 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



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Track and Field

Practice Changing Units

Answer the problems below. Don't forget to change the units of measurements. Show your work.

** 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

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

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

150kg - 2kg 148ka

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



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.

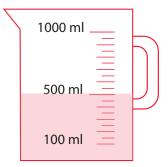
This dog weighs 10 kilograms. This robin weighs 5 grams. How much heavier is the dog? (*Hint: 1 kilogram is equal to 1000 grams).

 $10 \text{ kilograms} \times 1,000 = 10,000 \text{ grams}$

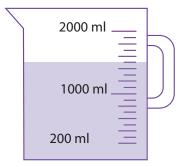


Practice Reading Measurement

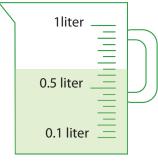
How much juice is in each jug? Write the correct amounts in the box. * 1 Liter (L) equals 1000 milliliters (ml).



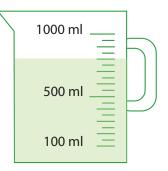




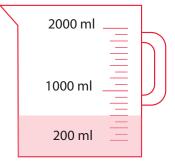
1500 ml



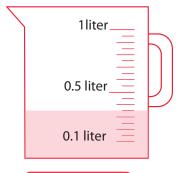
0.65 L



800 ml



500 ml



0.35 L

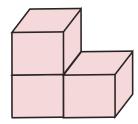


Counting Volume

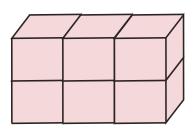
Find the volume by counting the cubic units. Write down the answer. Note: some squares cannot be seen in a picture, but you know they are there.



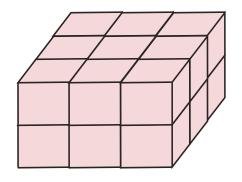
1 cubic unit



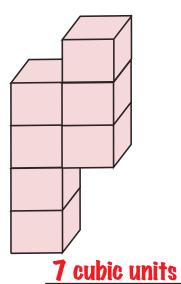
3 cubic units

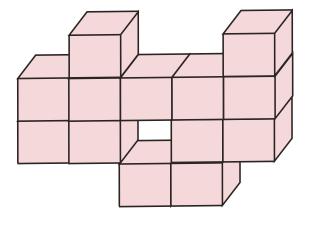


6 cubic units



18 cubic units



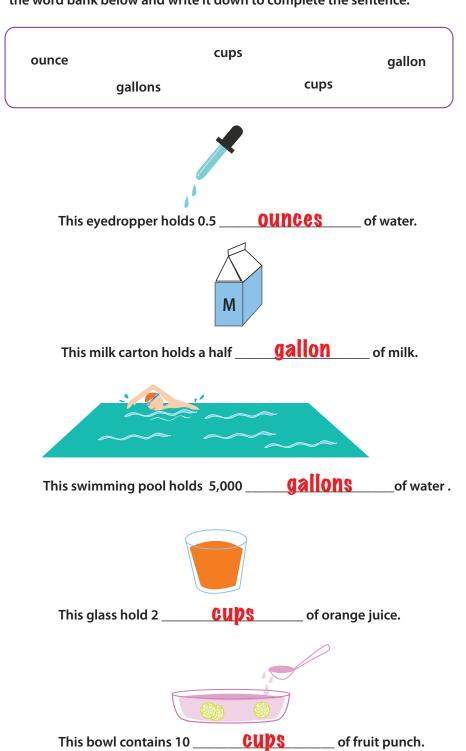


13 cubic units



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.





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



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?



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?

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!



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

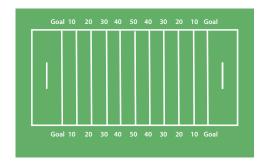
There are 10,000 milliliters of punch at the party.



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.







We drove 60 <u>miles</u> this weekend.



This pencil is 2 <u>inches</u> high



Grandma's new chair is 21 ___inches__ wide.





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.

= <u>1 square unit</u>	= 3 square units
= <mark>4 square units</mark>	= <u>6 square units</u>
= <mark>4 square units</mark>	= <mark>4 square units</mark>

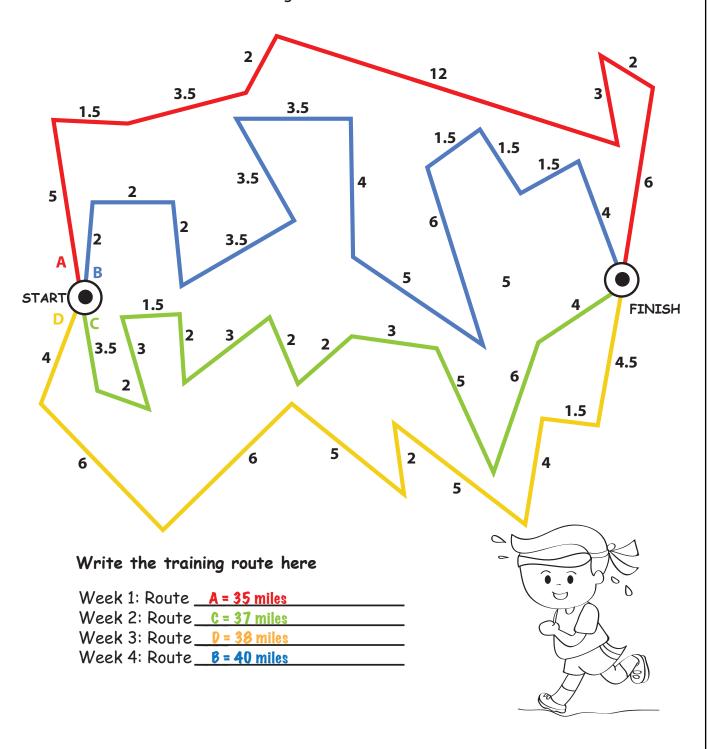
Now draw 7 square units of area and 8 square units of area.

3 sq	uare u	ınits					

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. P = 48 P = 56 8.5 P = 52P = 72P = 49P = 65P = 64

Run, Run! Practicing the Perimeter

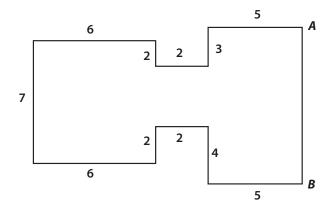
Help the runner pick the route to train for each week. Each week his run should be longer than the week before.





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.

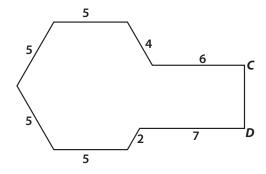


The perimeter of this object is **54** inches long.

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.

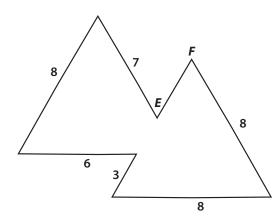


The perimeter of this object is 43 inches long.

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.