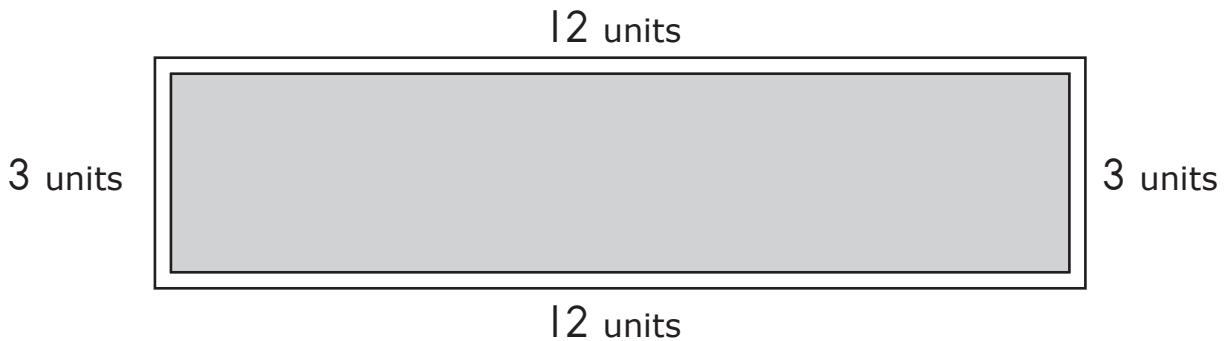


Name _____



- The sum of **A** and **B** = _____ in. A 7 B 8 C 9
- The difference of **B** and **A** = _____ in. A 3 B 6 C 5
- The difference of **B** and **A** is A B C D E F G H I J K L M N O P Q R S T U V W X Y Z $>$ B $<$ C $=$

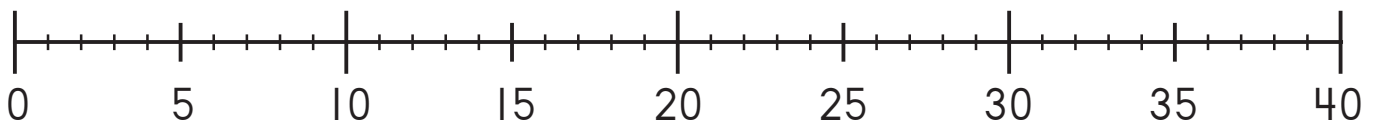


- This yard is going to have a fence around it. How many units of fence will it need? A 24 B 30 C 15
- What is the difference between the longer side and the shorter side? A 15 B 9 C 11

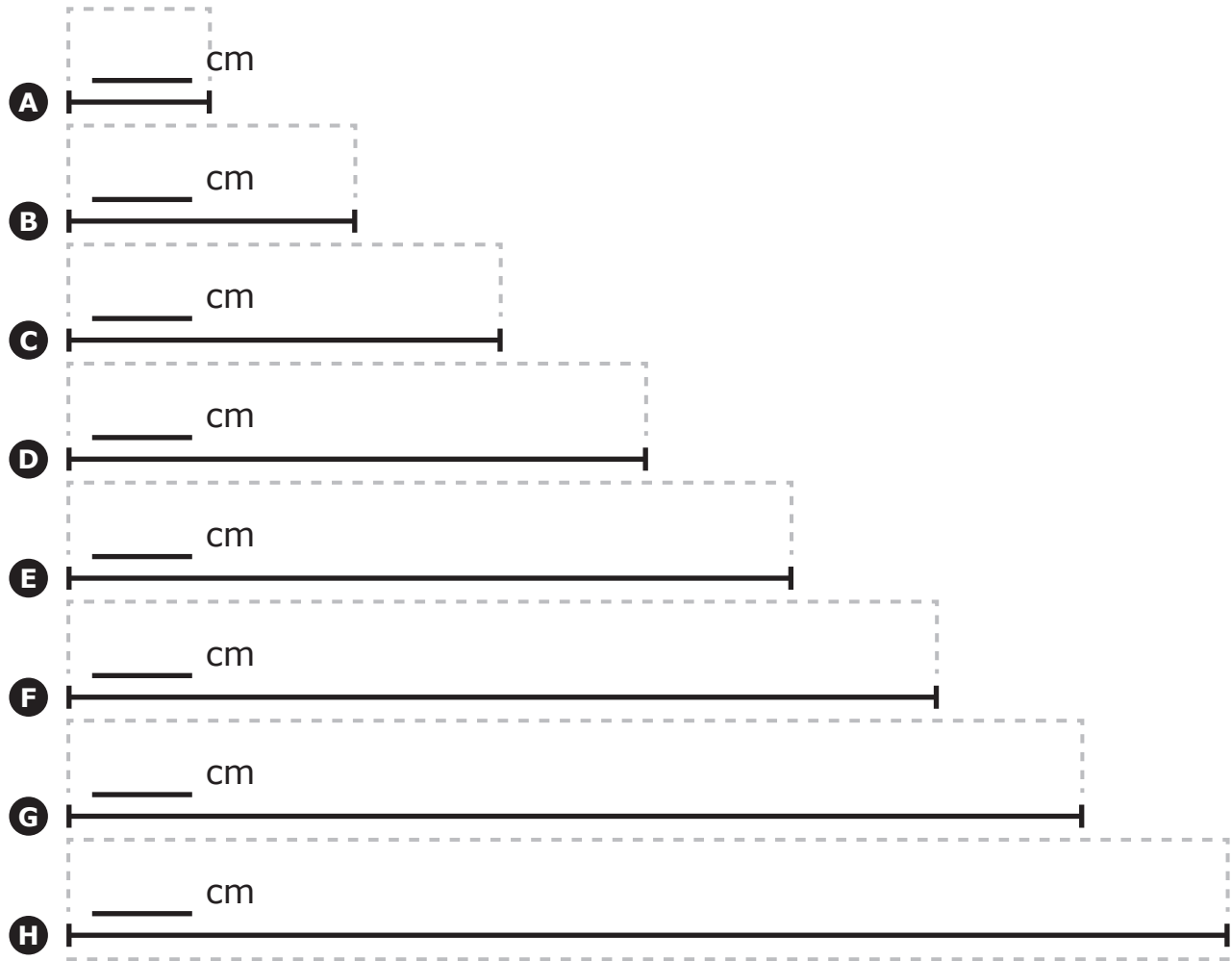
- The worker has 25 units of fence. How much more does he need to fence the yard? A 5 B 10 C 15

7. Write the equation. A $25 - 15 = \underline{\quad}$ B $30 - 15 = \underline{\quad}$ C $30 - 25 = \underline{\quad}$

8. Represent it on the number line below.



Name _____



$$\text{A} + \text{B} = \underline{\quad} \text{ cm}$$

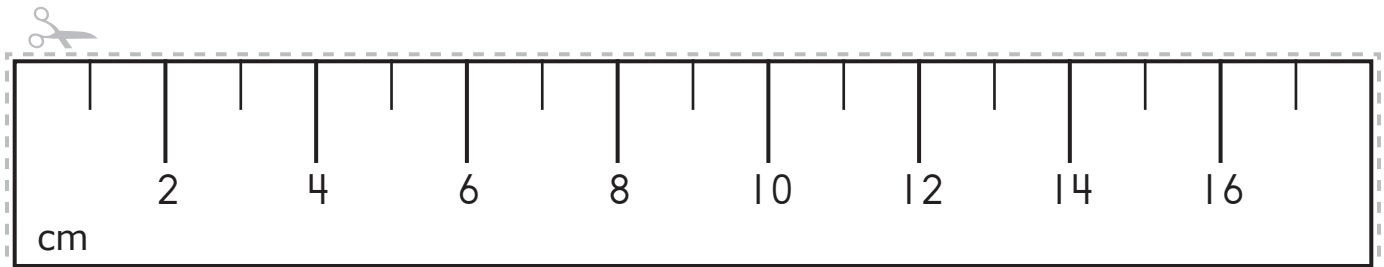
$$\text{H} - \text{D} = \underline{\quad} \text{ cm}$$

$$\text{C} + \text{D} = \underline{\quad} \text{ cm}$$

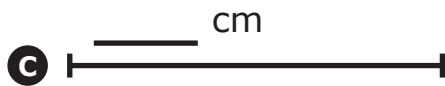
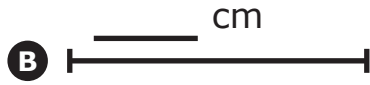
$$\text{G} - \text{B} = \underline{\quad} \text{ cm}$$

$$\text{F} + \square = 16 \text{ cm}$$

$$\text{H} - \square = 4 \text{ cm}$$



Name _____



A + **H** = _____ cm

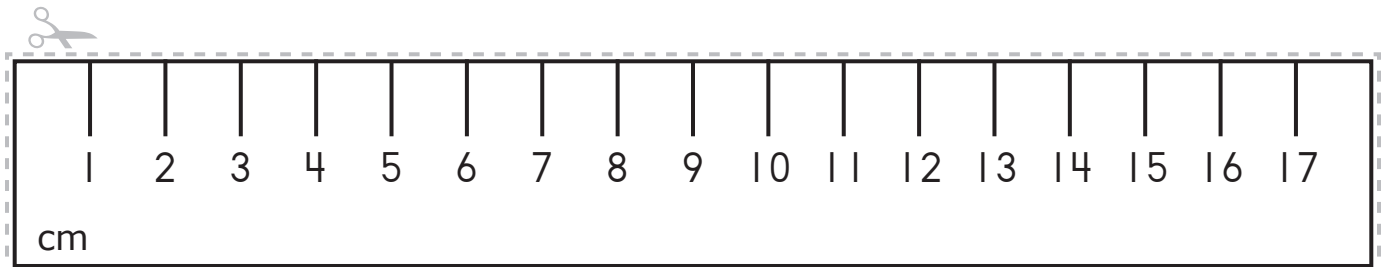
E - **C** = _____ cm

B + **F** = _____ cm

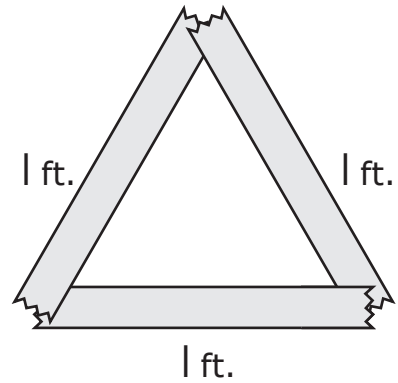
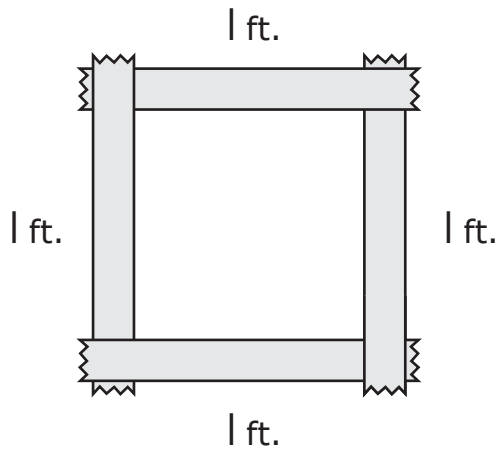
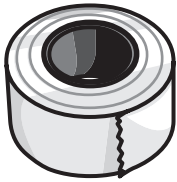
H - **D** = _____ cm

G + = 20 cm

H - = 5 cm



Name _____



How much tape will it take to make the \square ?

Explain. _____ ft.

How much tape will it take to make the \triangle ?

Explain. _____ ft.

How much more tape will it take to make the \square than the \triangle ?

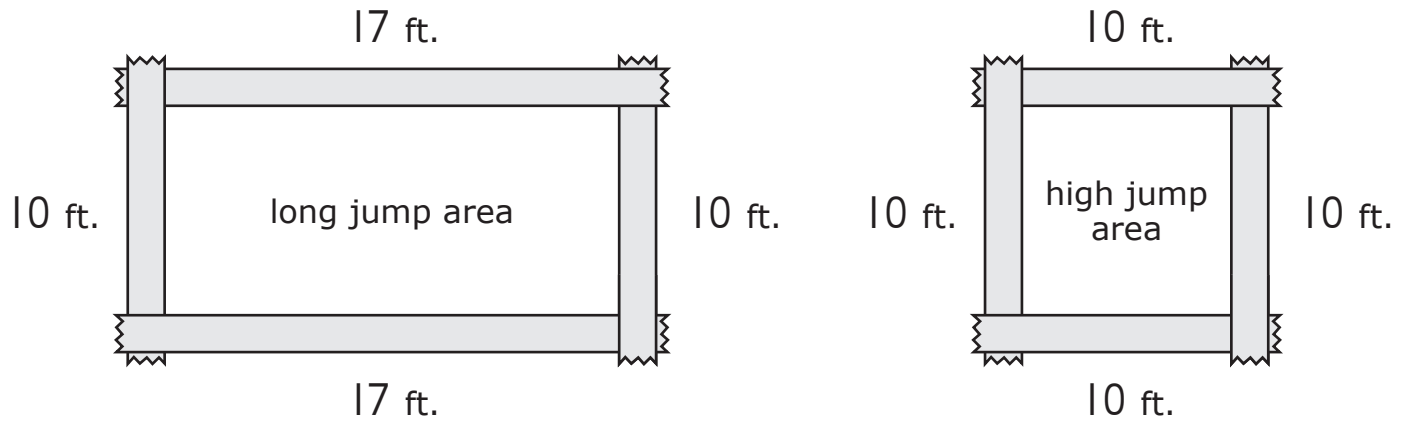
Explain. _____ ft.

If you have 10 ft. of tape, how much will you have left if you make the \square and the \triangle ?

Explain. _____ ft.

Name _____

We are getting ready for field day. The p.e. teacher has marked a for the long jump, and he has marked a for the high jump.



How much tape did he need to mark off the long jump area? _____ ft.

How much tape did he need to mark off the high jump area? _____ ft.

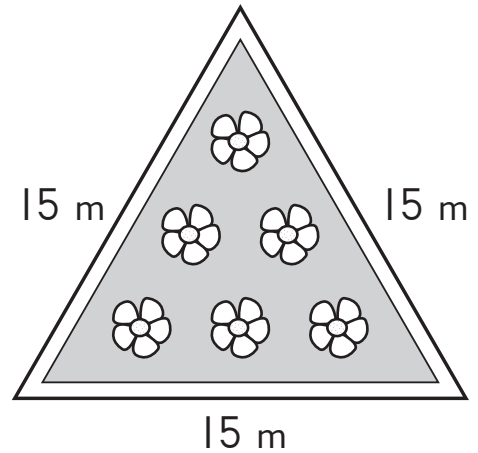
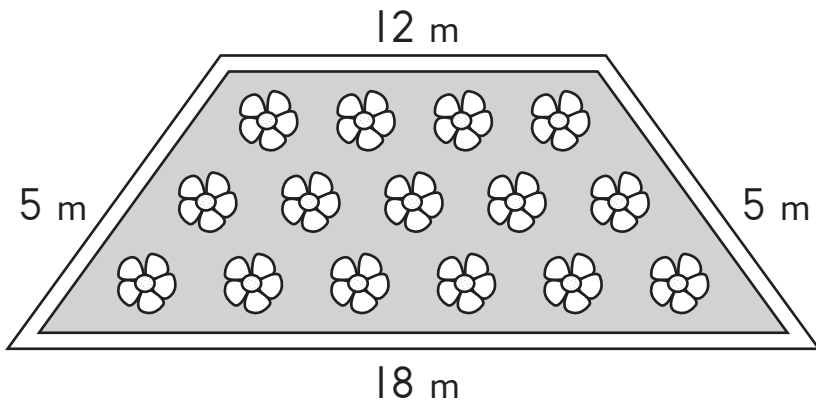
He has 4 ft. of tape left after marking off both areas. How much tape did he have to start with? _____ ft.

If he adds 3 ft. to each 10 ft. side of the long jump area, how many total feet of tape are used for that area? _____ ft.



What is the difference in the amount of tape needed for the larger long jump area and the smaller long jump area? _____ ft.

Name _____

A city worker is putting gardens in the park. He has two flower beds. He is putting wooden beams around each one.



How much wood does he need for each garden? Write and solve the equations.

 = + + + = m
 = + + = m

Which garden needs more wood?

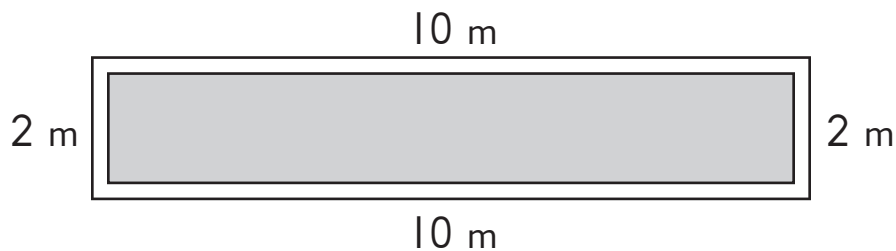


How much more wood?

_____ m

He has 100 m of wooden beams. After he puts the wood around both gardens, how much wood will he have left?

_____ m



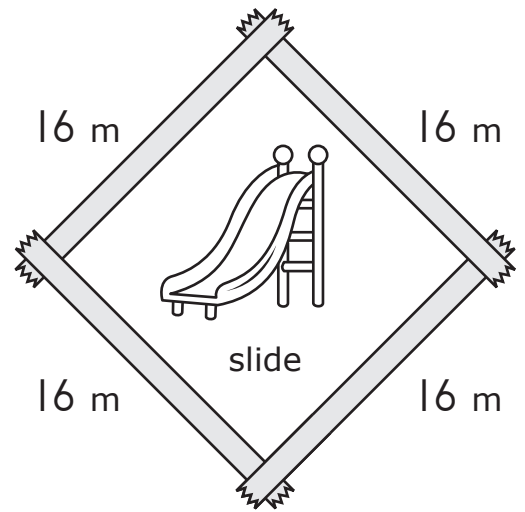
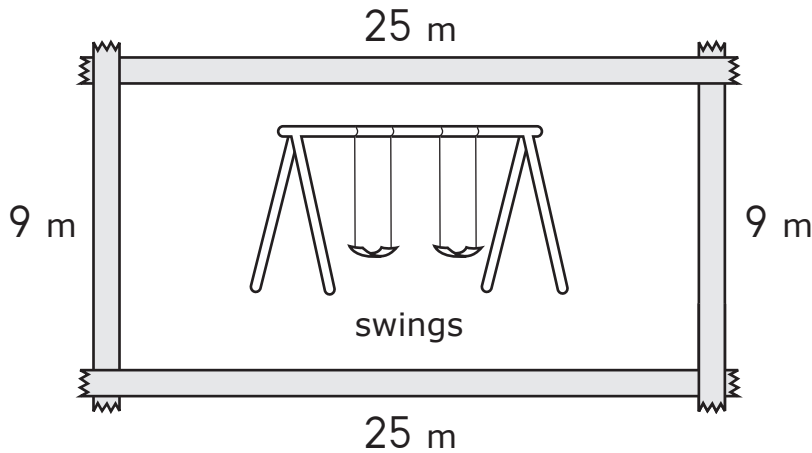
He has an area for a memorial. How much wood does he need to put around it?

_____ m

Does he have enough wood? A Yes B No

Name _____

The city worker is also putting playground areas in the park.
He is marking off the areas with tape.



How much more tape does he need for the swings
than the slide? _____ m

He has 100 m of tape. How much will he have left
when he finishes the area for the swings? _____ m

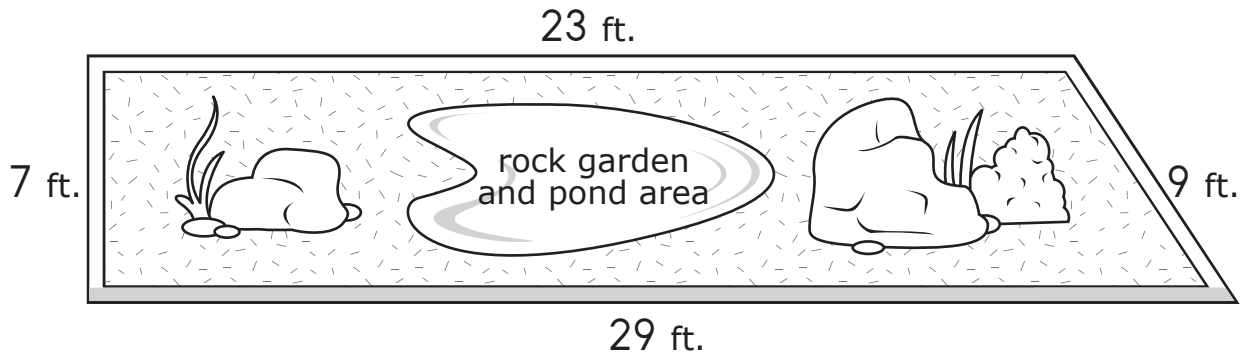
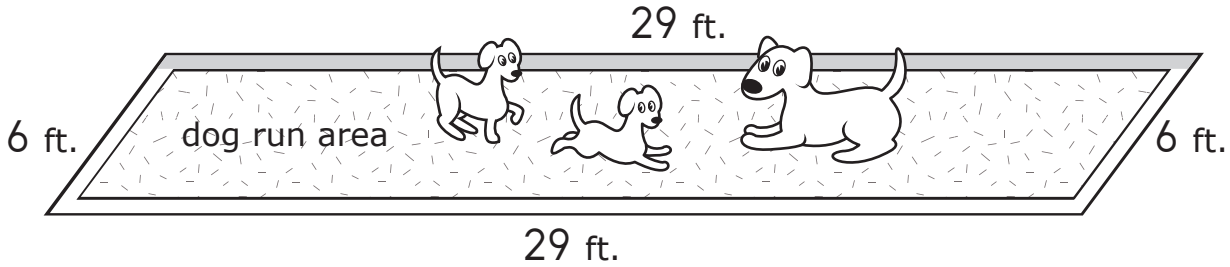
How much more tape does he need to do the area
for the slide? _____ m

What is the difference between the long side of the area
for the swings and one side of the area for the slide? _____ m

What is the sum of one side of the area for the slide
and the short side of the area for the swings? _____ m

Name _____

The Gates family is putting in fence to create areas in their yard. The longest side of each area will be against the house. No fence is needed for those sides.



How much fence is needed for the dog run?
Write and solve the equation.

_____ ft.

How much fence is needed for the rock garden and pond?
Write and solve the equation.

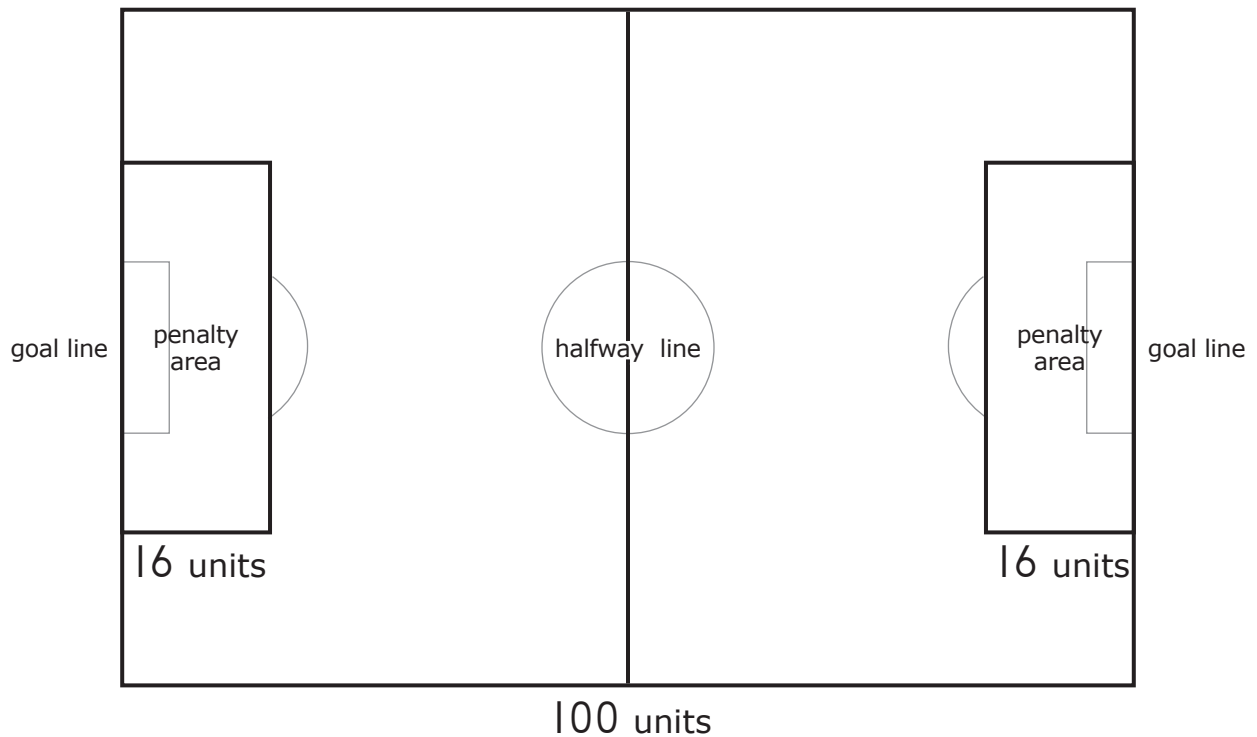
_____ ft.

How many more feet of fence are needed for the dog run than the rock garden and pond? Write and solve the equation.

_____ ft.

Name _____

Zach plays soccer. Look at this soccer field.
Write equations, and solve the problems.



How much of the length of the soccer field
are the penalty areas?

_____ units

How many units is it from the edge of the penalty area
to the halfway line?

_____ units

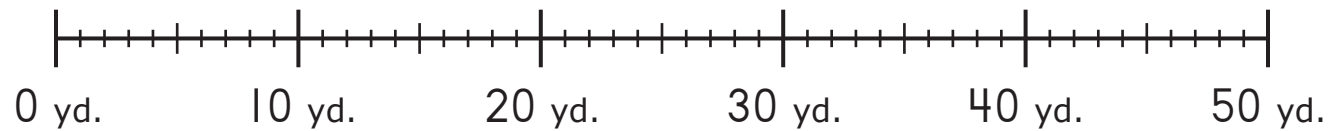
How many units longer is it from the goal line to the halfway line
than it is from the edge of the penalty area to the halfway line?

_____ units

Name _____

One of the events at field day is the 50-yd. relay race.
Each team has three members.

Team 1:



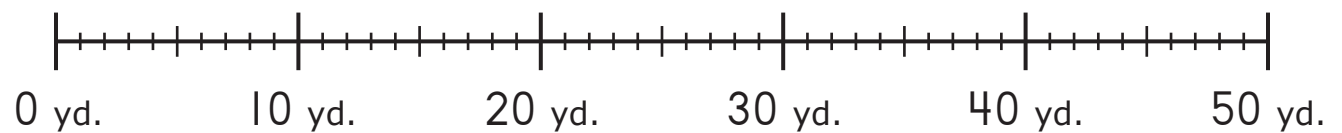
Sasha ran 17 yd.

Tia ran 20 yd.

How many yards did Gabriela run to finish the race?

_____ yd.

Team 2:



Paco ran 19 yd.

Dante ran 19 yd.

How many yards did Miguel run to finish the race?

_____ yd.

Name _____

The Green family went to Greenland.
They stopped in Greenville and then in Greentown on the way.



How far did they go from
Greenville to Greentown?
Write and solve the equation.

How far did they go from
Greenville to Greenland?
Write and solve the equation.

How far did they go from
home to Greentown?
Write and solve the equation.

How far did they go from
Greentown to Greenland?
Write and solve the equation.

What two locations are the
greatest distance apart?
Write and solve the equation.

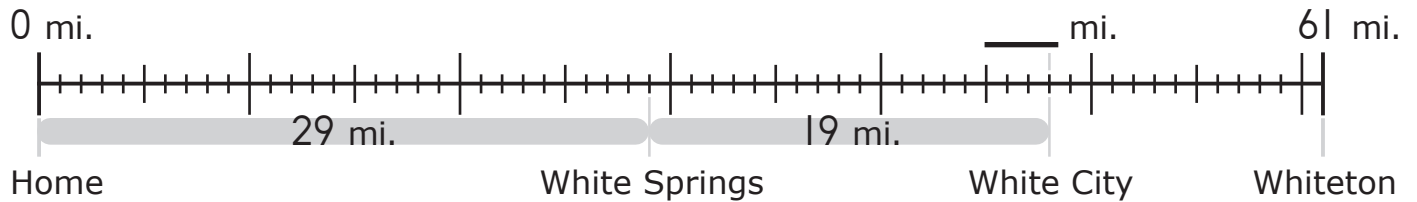
Which two locations are the
least distance apart?
Write and solve the equation.

- (A) Home to Greentown
- (B) Greenville to Greentown
- (C) Greenville to Greenland

- (A) Home to Greentown
- (B) Greenville to Greentown
- (C) Greenville to Greenland

Name _____

The White family went to Whiteton. They stopped in White City.
They went back to White Springs to pick up a pizza.
Then they drove on to Whiteton.



How far is it from Home to White City?

Write and solve the equation.

_____ miles

How far is it from White Springs to Whiteton?

Write and solve the equation.

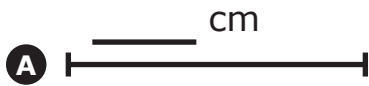
_____ miles

How many total miles did the White family travel to get to Whiteton?

Write and solve the equation.

_____ miles

Name _____



A $A + B = C$

B $C - B = A$

C $C - A > C - B$

D $B + C > 15 \text{ cm}$

Two teams were in a 50-unit relay race. Each team had three members.

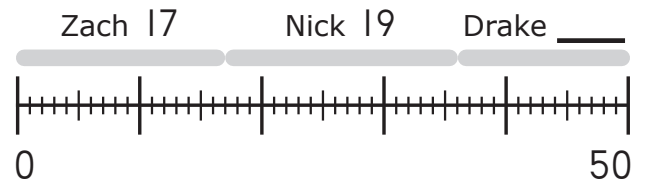
Team 1:



Layla ran 19 units.
Emma ran 12 units.
How far did Taylor run?

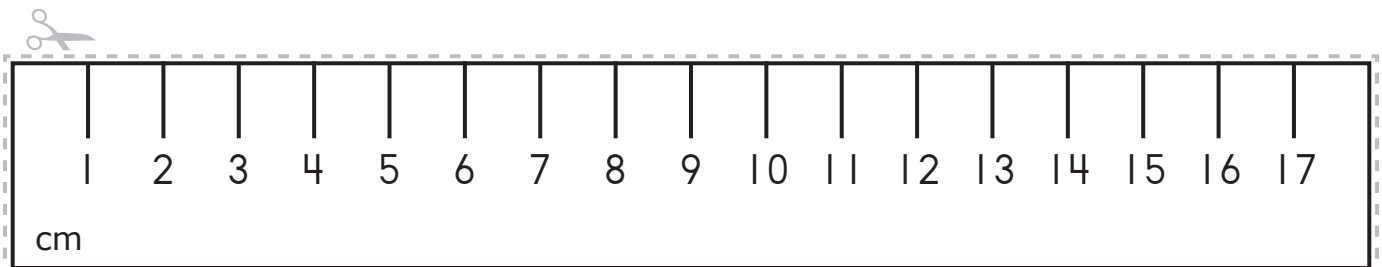
- A** Farther than Emma
- B** The same distance as Layla
- C** 19 units
- D** 12 units

Team 2:

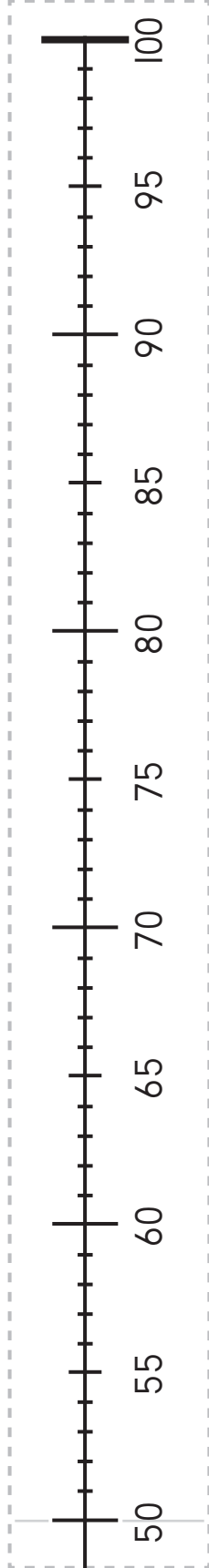
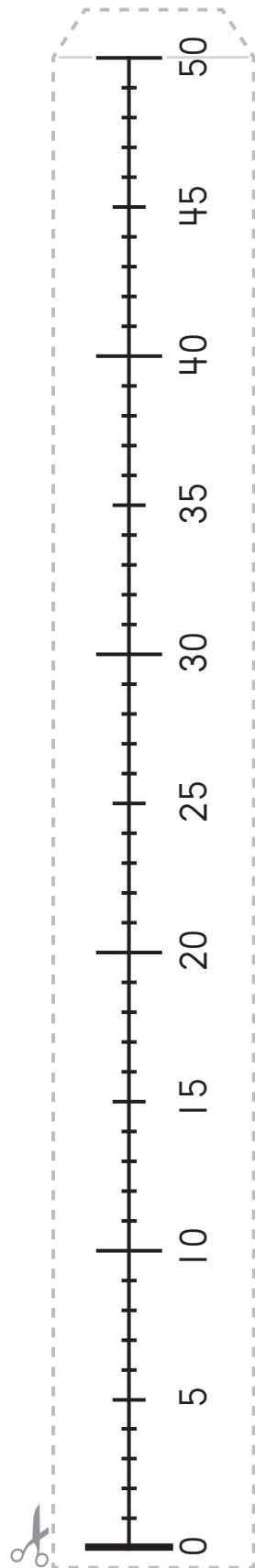
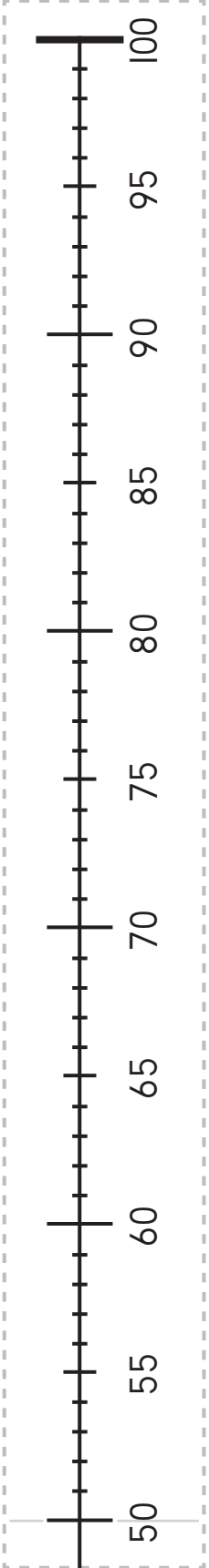
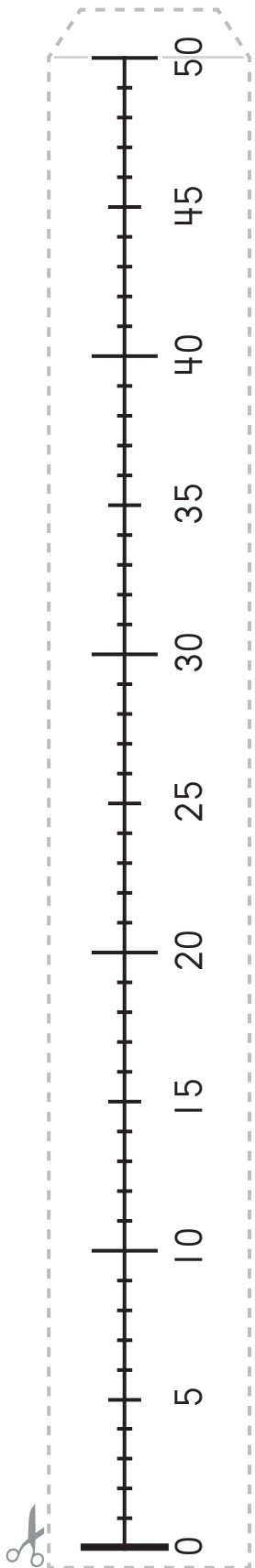


Zach ran 17 units.
Nick ran 19 units.
How far did Drake run?

- A** Farther than Zach
- B** The same distance as Nick
- C** 16 units
- D** 14 units



Name _____



Name _____

$$A = 2 \text{ units}$$

$$B = 4 \text{ units}$$

$$C = 6 \text{ units}$$

$$D = 8 \text{ units}$$

$$E = 10 \text{ units}$$

$$F = 12 \text{ units}$$

$$G = 14 \text{ units}$$

$$H = 16 \text{ units}$$

Show and write each equation on the number line.
Write the equation below.

$$A + B = 6 \text{ units} \quad 2 + 4 = \underline{\quad} \text{ units}$$

$$C + D = 14 \text{ units} \quad 6 + 8 = \underline{\quad} \text{ units}$$

$$H - D = 8 \text{ units} \quad 16 - 8 = \underline{\quad} \text{ units}$$

$$G - B = 10 \text{ units} \quad \underline{\quad} - \underline{\quad} = \underline{\quad} \text{ units}$$

$$A = 3 \text{ cm}$$

$$B = 4 \text{ cm}$$

$$C = 5 \text{ cm}$$

$$D = 6 \text{ cm}$$

$$E = 9 \text{ cm}$$

$$F = 10 \text{ cm}$$

$$G = 14 \text{ cm}$$

$$H = 15 \text{ cm}$$

Show and write each equation on the number line.
Write the equation below.

$$A + H = 18 \text{ units} \quad 3 + 15 = \underline{\quad} \text{ cm}$$

$$B + F = 14 \text{ units} \quad 4 + 10 = \underline{\quad} \text{ cm}$$

$$E - C = 4 \text{ units} \quad 9 - 5 = \underline{\quad} \text{ cm}$$

$$H - D = 9 \text{ units} \quad \underline{\quad} - \underline{\quad} = \underline{\quad} \text{ cm}$$

Name _____

Length of tape for \square = 4 ft.

Length of tape for \triangle = 3 ft.

Length of tape for \square - length of tape for \triangle = 1 ft.

10 ft. - length of tape for \square and \triangle = 3 ft.

Locate the number of units of tape needed for the \square on the number line.

Locate the number of units of tape needed for the \triangle on the number line.

Locate the difference in the tape needed for the \square and the \triangle .
Write the equation.

Locate 10 units on the number line. Draw a red ring around it.
Subtract 7 from it. Draw a \diamond on the difference.

Length of tape for long jump area = 54 ft.

Length of tape for high jump area = 40 ft.

Length of tape for both areas = 94 ft.

Locate the number of units of tape needed for the long jump area.

Locate the number of units of tape needed for the high jump area.

Locate the number of units of tape needed for the long jump area and high jump area combined.

Locate 4 units more than 94. Write and solve the equation.

Name _____

$$\text{Longest length of } \text{trapezoid} = 18 \text{ m}$$


$$\text{Shortest length of } \text{trapezoid} = 5 \text{ m}$$


$$\text{Length of one side of } \triangle = 15 \text{ m}$$


$$\text{Longest length of } \text{trapezoid} - \text{length of one side of } \triangle = 3 \text{ m}$$

$$\text{Length of one side of } \triangle - \text{shortest length of } \text{trapezoid} = 10 \text{ m}$$

$$\text{Length of the sides of the } \text{trapezoid} = 12 + 5 + 18 + 5 = 40 \text{ m}$$

Locate the longest length of  and one side of \triangle on the number line. What is the difference?

Locate one side of \triangle and the shortest length of  on the number line. What is the difference?

Use the equation for the distance around the . Locate the addends on the number line, starting with the greatest number of units and adding on.

$$\text{Length of tape for area with swings} = 68 \text{ m}$$

$$\text{Length of tape for area with slide} = 64 \text{ m}$$

$$\text{Tape for area with swings} - \text{tape for area with slide} = 4 \text{ m}$$

Locate the number of units of tape needed for the area with the swings.

Locate the number of units of tape needed for the area with the slide.

Write the equation for the difference of tape needed for the area with the swings and the area with the slide.

Draw a ring around the 100-unit mark. Write the equation for the difference between 100 units and the number of units needed for the area with the swings. Explain the difference using the number line.

Name _____

$$\text{Length of fence for dog run} = 29 + 6 + 6 = 41 \text{ ft.}$$

$$\text{Length of fence for rock garden and pond} = 23 + 9 + 7 = 39 \text{ ft.}$$

$$\text{Fence for dog run} - \text{fence for rock garden and pond} = 41 - 39 = 2 \text{ ft.}$$

How many feet of fence are needed for the dog run and the rock garden and pond? Represent this equation on the number line. Explain.

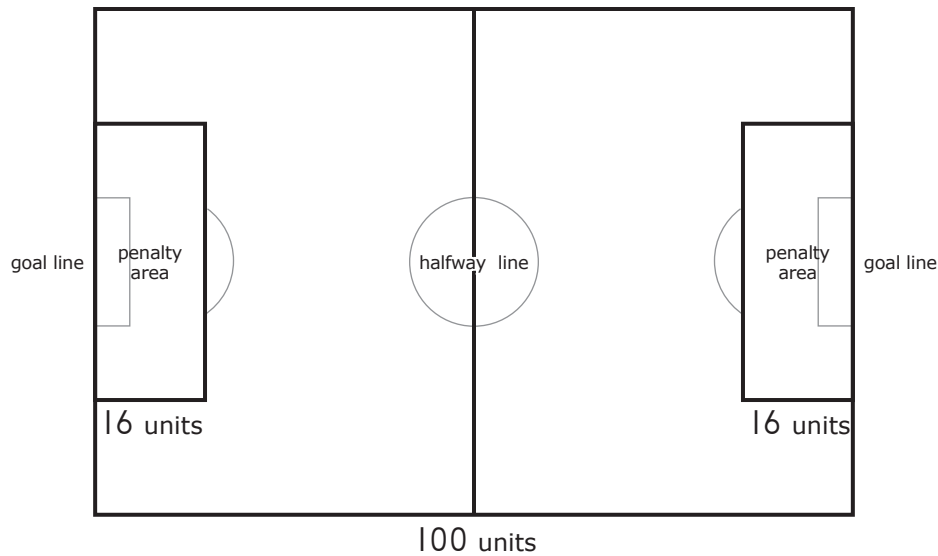
How many feet of fence are needed to do the longest side of each area?

How many feet of fence are needed to do the shortest side of each area?

How many more feet of fence are needed to do the short sides of the rock garden and pond area than the short sides of the dog run? Represent this equation on the number line. Explain.

How many more feet of fence are needed to do the long side than the short sides of the dog run?

Name _____



$$\text{Units for penalty area} = 16 + 16 = 32 \text{ units}$$

$$\text{Units from the edge of the penalty area to the halfway line} = 50 - 16 = 34 \text{ units}$$

$$\text{Units longer from goal line to halfway line than edge of penalty area to halfway line} = 50 - 34 = 16 \text{ units}$$

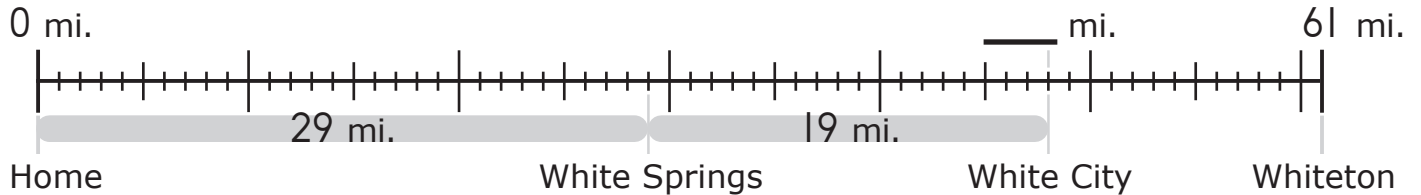
Locate the distance from the edge of one penalty area to the edge of the other penalty area. Write the equation.

Locate the distance from the edge of one penalty area to the goal line on the other side of the field. Draw a soccer ball at each location on the number line.

A player kicked the ball for 39 units. He was on the edge of the penalty area when he kicked the ball. Locate the place on the number line where the ball landed. Write the equation.

Name _____

The White family went to Whiteton. They stopped in White City. They went back to White Springs to pick up a pizza. Then they drove on to Whiteton.



$$\text{Home to White City} = 29 + 19 = 48 \text{ mi.}$$

$$\text{White Springs to Whiteton} = 61 - 29 = 32 \text{ mi.}$$

$$\text{Home to Whiteton with return to White Springs} = 48 + 19 + 32 = 99 \text{ mi.}$$

How far had the White family gone when they went to White City and then back to White Springs?

How much farther is it from Home to White City than from White Springs to Whiteton?

How far did the White family go after they left White City the first time?

How much farther is it from White Springs to White City and back to White Springs than from Home to White Springs?

Name _____

Locate the sum of 38 units and 45 units.
Write and solve the equation.

- (A) 73
- (B) 83
- (C) 93
- (D) 98

_____ units + _____ units = _____ units

Locate the difference between 71 units and 25 units.
Write and solve the equation.

- (A) 46
- (B) 96
- (C) 54
- (D) 56

_____ units - _____ units = _____ units

Locate 59. Locate the sum 81. Find the unknown.
Write and solve the equation.

- (A) 38
- (B) 28
- (C) 22
- (D) 30

_____ units + units = 81 units

Locate 47 units. Add 20 units. Subtract 28 units.
Draw a on the location.

- (A) 55
- (B) 95
- (C) 41
- (D) 39

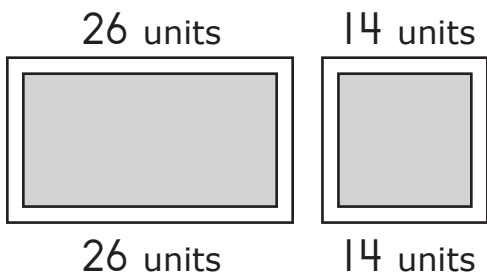
The is _____ units.



Name _____

A = 5 units
 B = 7 units
 C = 10 units

$A + B \bigcirc C$ $C - A \bigcirc A$
 Ⓐ > Ⓑ < Ⓒ = Ⓐ > Ⓑ < Ⓒ =



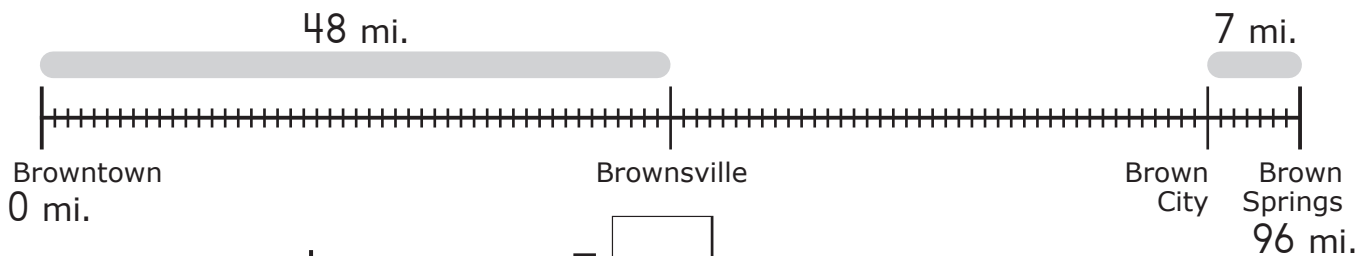
The sum of the two line lengths on the is _____ units.

- Ⓐ 40 Ⓑ 52 Ⓒ 42

The difference between one line length on the and one line length on the is _____ units.

- Ⓐ 18 Ⓑ 12 Ⓒ 40

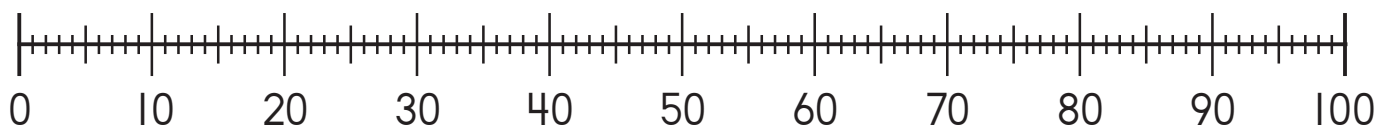
The Brown family took a trip. They went from Browntown to Brownville and then to Brown City. They ended the trip in Brown Springs. The total trip was 96 miles. How far is it from Brownville to Brown City? Write and solve the equations.



_____ miles + _____ miles = miles

_____ miles - miles = _____ miles Ⓐ 96 Ⓑ 89 Ⓒ 41

Show the second equation on the number line below.



Name _____

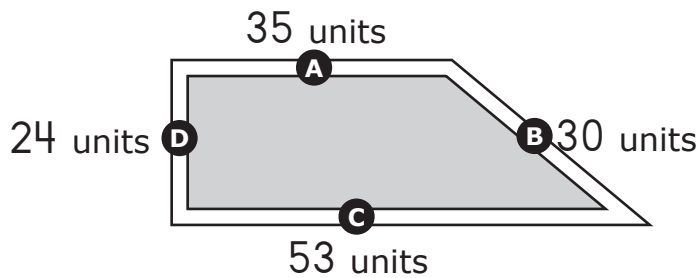
$A = 10$ units
 $B = 14$ units
 $C = 20$ units

The sum of **A** and **B** is _____ units.

- A 20 B 24 C 30

$B - A$ $C - B$

- A > B < C =



The sum of **B** and **C** is _____ units.

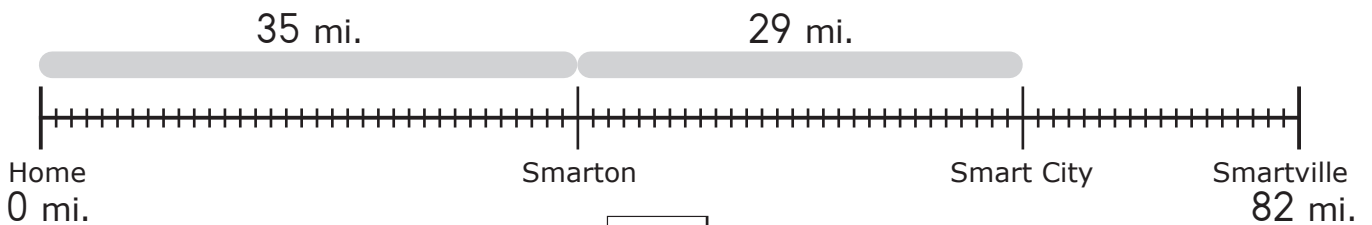
- A 83 B 54 C 65

The difference of **A** and **B** is _____ units.

- A 11 B 18 C 5

The Smart family took a trip to Smartville. It was 82 miles from their home. They stopped in Smarton for lunch. They stopped in Smart City to visit friends. How far is it from Smart City to Smartville?

Write and solve the equation.



_____ miles + _____ miles = miles

_____ miles - miles = _____ miles A 64 B 29 C 18

Show the second equation on the number line below.

