

$\triangle ABC$ is similar to $\triangle RST$.
Find the missing side length.

Represent the fraction $\frac{3}{16}$ by shading the circle and placing it on a number line.

A flagpole is 24 feet tall and casts a 20 foot shadow. A tree next to the flagpole casts a shadow 17.3 feet long. How tall is the tree?

$n = 2 \div 16$
Which describe n ?

- a. integer
- b. irrational
- c. rational
- d. whole

Are the two triangles similar? Prove your answer.

$\triangle ABC \sim \triangle LMN$.
Find the perimeter of $\triangle LMN$.

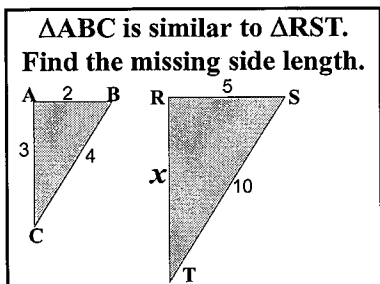
- a) 10.5 in
- b) 63 in
- c) 21 in
- d) 27 in

The two figures shown are similar. Set up a proportion to show the relationship between the lengths of the sides.

Describe how to move the image for this translation:
 $(x,y) \rightarrow (x + 2, y - 5)$

- a. up 2, left 5
- b. left 2, up 5
- c. right 2, up 5
- d. right 2, down 5

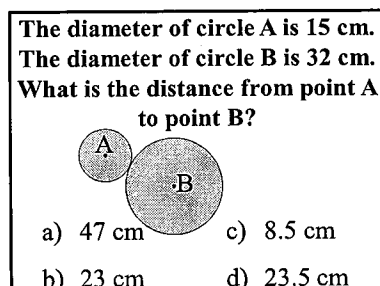
$R(2,1)$, $S(5,5)$, $T(9,4)$
This triangle was translated as shown here:
 $(x + 3, y - 4)$
Find R' (,)



Evaluate:

$$|9| + |-5|$$

If the radius of a circle is 10 ft, what is its diameter?



Which is equivalent to $3\frac{4}{11}$?

a. $3.\overline{363}$ c. $3.\overline{36}$
b. 3.3 d. $3.\overline{364}$