



Math Virtual Learning

Similar Sides of Polygons

April 15, 2020



Geometry

Lesson: April 15, 2020

Objective/Learning Target:
Find Missing Side Lengths in Similar Polygons

Bell Ringer:
Find x.

$$\frac{14}{2x+1} = \frac{7}{3}$$

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Find x.

$$\frac{14}{2x+1} = \frac{7}{3}$$

**Answer
Key:**

X = 2.5



Bell Ringer Answer: $x = 2.5$

Let's Get Started:

Watch Video: [Solving for Missing Sides in Similar Polygons](#)

After you complete video, move on to the practice problems provided.

Practice: Each pair of polygons are similar. Find the missing side length.

1)



2)



Scale Factor of Left to Right: 1 : 3 _____

3)



Scale Factor of Left to Right: 1 : 2 _____

4)



Scale Factor of Left to Right: 1 : 4 _____



Answer Key:

Here you will find the answers to the previous four questions.
Check your answers below.

1) 84

2) 39

3) 18

4) 14



Additional Resources:

Click on the link below to get additional practice and to check your understanding!

[Similar Figures Extra Practice](#)