

Name:

ANSWERS!

Class:



Communication



Successful Partnership



Encouragement



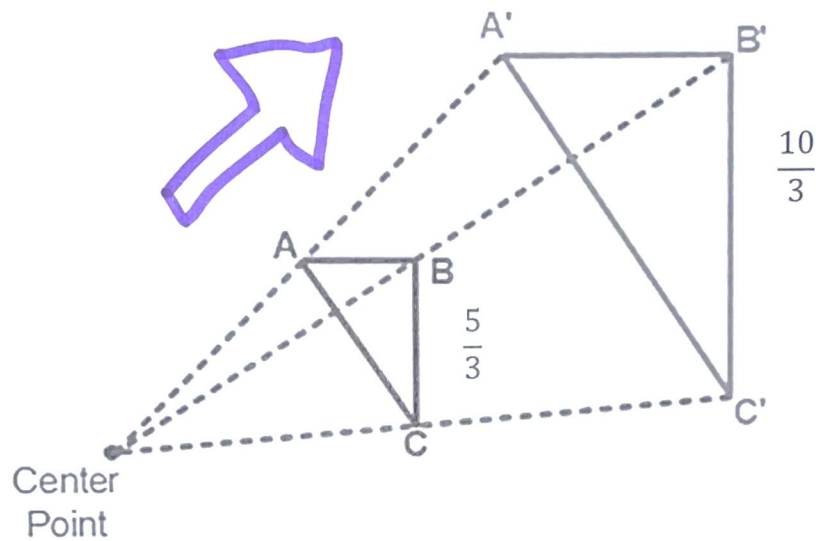
Solving Problem Together



Collaboration

Question 01

The two figures are scaled copies of each other.



What is the scale factor applied to the Triangle ABC to create Triangle A'B'C'?

$$\frac{5}{3} \times \text{Scale factor} = \frac{10}{3}$$

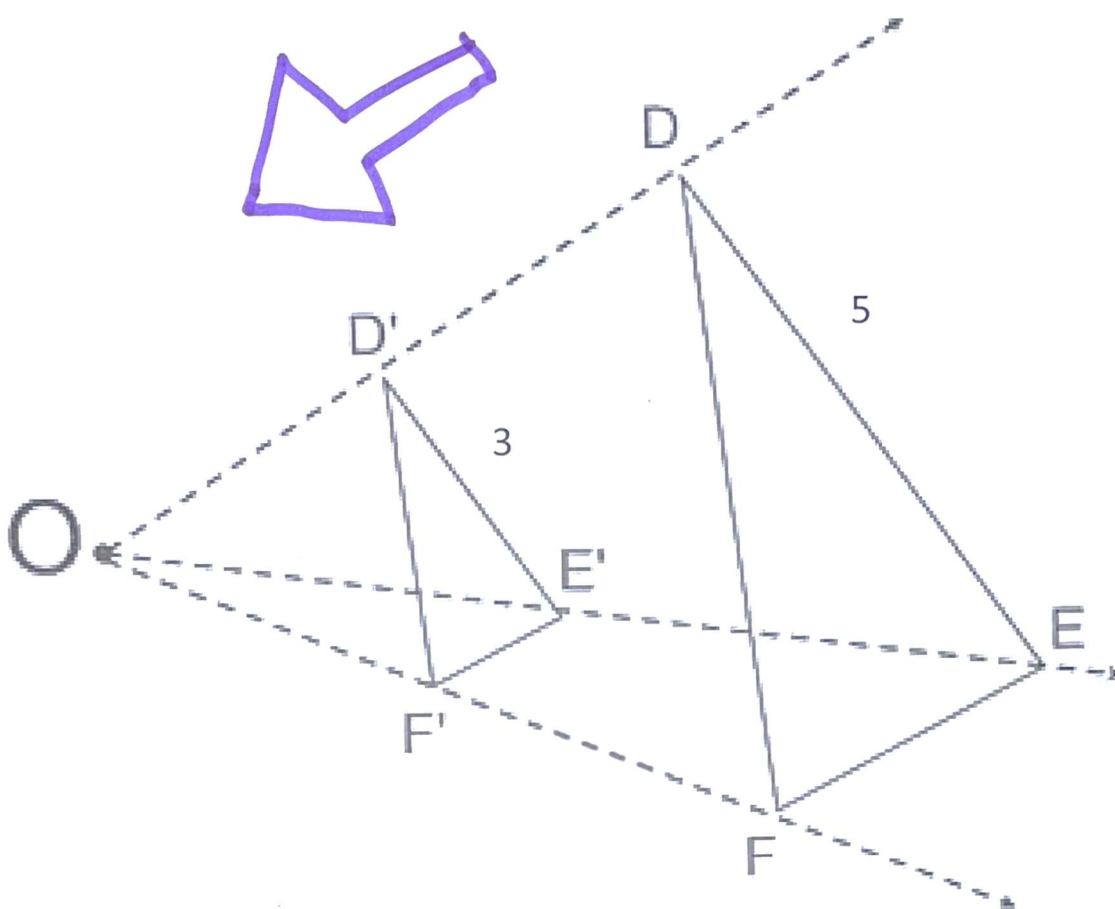
$$\text{Scale factor} = 2$$

If Point A is  $\frac{8}{3}$  units from the Center Point, how far is Point A' from the Center Point?

$$\frac{8}{3} \times 2 = \frac{16}{3}$$

Question 02

The two figures are scaled copies of each other.



What is the scale factor applied to the Triangle DEF to create Triangle D'E'F'?

$$5 \times \text{scale factor} = 3$$

$\div 5$                        $\div 5$

$$\text{scale factor} = 0.6$$

If Point D is 15 units from Point O, how far is Point D' from Point O?

$$15 \times 0.6 = 9$$