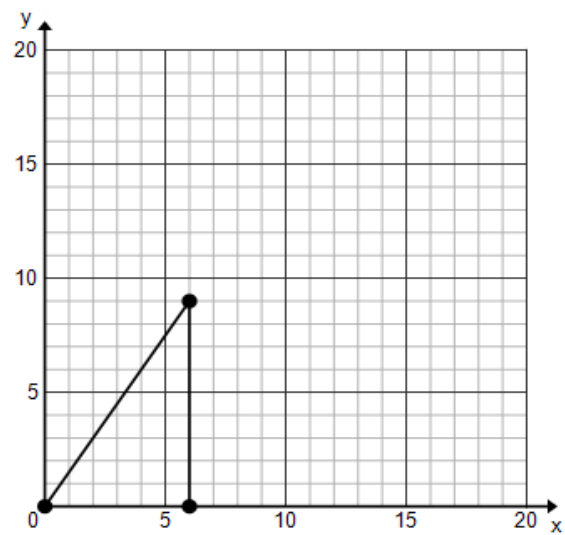


Lesson 16: Relating Scale Drawings to Ratios and Rates

Exit Ticket

Use the following figure on the graph for problems 1 and 2.



- 1.
- a. If the original lengths are multiplied by 2, what are the new coordinates?

- b. Use the table to organize lengths.

Actual Picture Lengths (in units)		
New Picture Lengths (in units)		

- c. Is the new picture a reduction or an enlargement?
- d. What is the constant of proportionality?

2.

a. If the original lengths are multiplied by $\frac{1}{3}$ what are the new coordinates?

b. Use the table to organize the lengths.

Actual Picture Lengths (in units)		
New Picture Lengths (in units)		

c. Is the new picture a reduction or an enlargement?

d. What is the constant of proportionality?