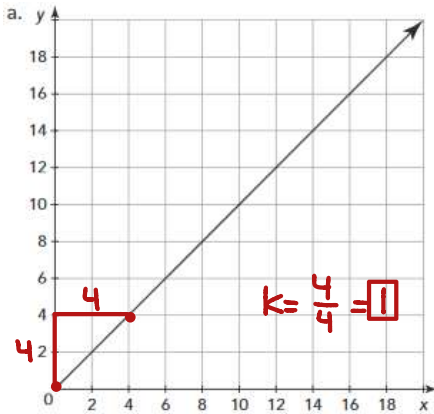
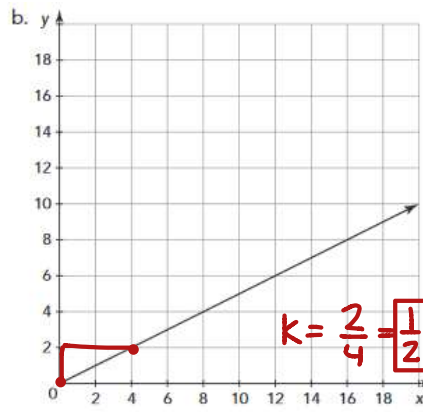


Module 2: Topic 1 Lesson 1 Review Worksheet #2

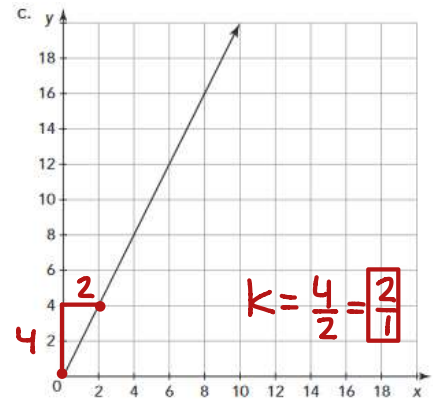
1 Determine the constant of proportionality in each graph.



$k=1$



$k = \frac{1}{2}$



$k=2$

2. Determine the constant of proportionality (k) for each proportional relationship.

Y represents all outputs and X represents all of the inputs.

a) $y = 4x$

$k=4$

b) $y = \frac{2}{3}x$

$k = \frac{2}{3}$

c) $y = 10x$

$k=10$

d) $y = \frac{8}{10}x$

$k = \frac{8}{10}$ or $\frac{4}{5}$

3) Melanie collects coins from all over the world.

She is reorganizing her collection into coins from Europe and coins from Asia. After sorting the coins, she finds that 6 out of every 10 coins come from Europe.

a) Write a ratio for the number of European coins to the total number of coins. $\frac{6}{10}$ or $\frac{3}{5}$

b) Write a ratio for the number of Asian coins to the total number of coins. $\frac{4}{10} = \frac{2}{5}$

c) Melanie has 230 coins total. Determine the number of European coins in her collection.

European
Total

$\frac{3}{5} = \frac{x}{230}$

$\frac{5x}{5} = \frac{690}{5}$

$x = 138$
European
coins

d) Melanie has 230 coins total. Determine the number of Asian coins in her collection.

Asian
Total

$\frac{2}{5} = \frac{x}{230}$

$\frac{5x}{5} = \frac{460}{5}$

$x = 92$
Asian
Coins

