

Solving Proportions

Solve for the missing variable.

1)
$$\frac{1}{5} = \frac{x}{20}$$
 2) $\frac{8}{6} = \frac{x}{9}$

Solving Proportions

Solve for the missing variable.

3)
$$\frac{6r}{10} = \frac{12}{5}$$
 4) $\frac{3+c}{12} = \frac{5}{6}$

Solving Proportions

Solve for the missing variable.

5)
$$\frac{12}{8} = \frac{k-1}{20}$$



Practice

The points in the table lie on a line. Find the slope of the line.



7)	x	-3	2	7	12
	у	0	2	4	6

Practice

The points in the table lie on a line. Find the slope of the line.



8)	x	-8	-2	4	10
	у	8	1	-6	-13

Review

Graph the following lines.



SLOPE OF PARALLEL LINES



Practice

Determine which lines are parallel.





Practice

Determine which lines are parallel.





Cross-multiply
Solve like a multi-step equation

14)
$$\frac{2}{5} = \frac{4}{x+1}$$

Review 1) Cross-multiply2) Solve like a multi-step equation

15)
$$\frac{21}{y-8} = 3$$

FINDING MISSING NUMBERS



Find the value of k so that the line passes on the following point with the given slope.

16) (2,3)*and* (*k*,9); slope =
$$\frac{3}{2}$$





Find the value of k so that the line passes on the following point with the given slope.

17) (8,1)*and* (
$$k$$
,7); slope = $-\frac{1}{2}$