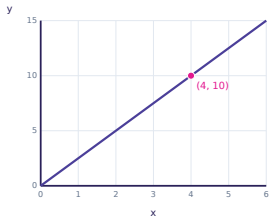
Writing Proportional Functions (y = kx) · 1

y is proportional to x, and y = 15 when x = 6. Write the function.

Writing Proportional Functions (y = kx) · 2

The graph shows a proportional function. Write its equation.



Writing Proportional Functions (y = kx) · 3

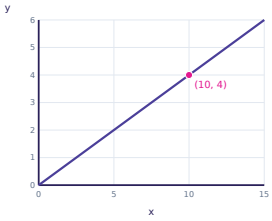
A plant grows 5 centimeters every 4 weeks. Let x be the number of weeks and y the number of centimeters. Write the function.

Writing Proportional Functions (y = kx) · 4

y is proportional to x, and y = 10 when x = -6. Write the function.

Writing Proportional Functions (y = kx) · 5

The graph shows a proportional function. Write its equation.



Writing Proportional Functions (y = kx) · 6

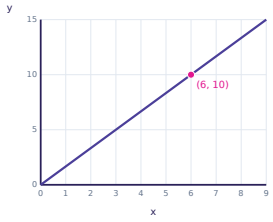
A printer prints 2 pages every 5 minutes. Let x be the number of minutes and y the number of pages. Write the function.

Writing Proportional Functions (y = kx) · 7

y is proportional to x, and y = -36 when x = -8. Write the function.

Writing Proportional Functions (y = kx) · 8

The graph shows a proportional function. Write its equation.



Writing Proportional Functions (y = kx) · 2

ANSWER

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

Writing Proportional Functions (y = kx) · 1

ANSWER

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

Writing Proportional Functions (y = kx) · 4

ANSWER

$$y = -\frac{5}{3}x$$

Writing Proportional Functions (y = kx) · 3

ANSWER

$$y = \frac{5}{4}x$$

Writing Proportional Functions (y = kx) · 6

ANSWER

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

Writing Proportional Functions (y = kx) · 5

ANSWER

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

Writing Proportional Functions (y = kx) · 8

ANSWER

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

Writing Proportional Functions (y = kx) · 7

ANSWER

$$y = \frac{9}{2}x$$

Writing Proportional Functions (y = kx) · 9

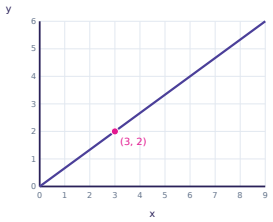
A recipe uses 6 cups of flour for every 5 batches. Let x be the number of batches and y the number of cups of flour. Write the function.

Writing Proportional Functions (y = kx) · 10

y is proportional to x, and y = 4 when x = -6. Write the function.

Writing Proportional Functions (y = kx) · 11

The graph shows a proportional function. Write its equation.



Writing Proportional Functions (y = kx) · 12

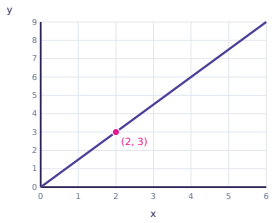
A faucet pours 6 liters every 5 minutes. Let x be the number of minutes and y the number of liters. Write the function.

Writing Proportional Functions (y = kx) · 13

y is proportional to x, and y = -10 when x = -6. Write the function.

Writing Proportional Functions (y = kx) · 14

The graph shows a proportional function. Write its equation.



Writing Proportional Functions (y = kx) · 15

A recipe uses 2 cups of flour for every 3 batches. Let x be the number of batches and y the number of cups of flour. Write the function.

Writing Proportional Functions (y = kx) · 16

y is proportional to x, and y = -10 when x = 6. Write the function.

Writing Proportional Functions (y = kx) · 10

ANSWER

$$y = -\frac{2}{3}x$$

Writing Proportional Functions (y = kx) · 9

ANSWER

$$y = \frac{6}{5}x$$

Writing Proportional Functions (y = kx) · 12

ANSWER

$$y = \frac{6}{5}x$$

Writing Proportional Functions (y = kx) · 11

ANSWER

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

Writing Proportional Functions (y = kx) · 14

ANSWER

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

Writing Proportional Functions (y = kx) · 13

ANSWER

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

Writing Proportional Functions (y = kx) · 16

ANSWER

$$y = -\frac{5}{3}x$$

Writing Proportional Functions (y = kx) · 15

ANSWER

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

Writing Proportional Functions (y = kx) · 17

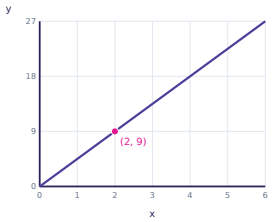
A machine fills 2 bottles every 3 minutes. Let x be the number of minutes and y the number of bottles. Write the function.

Writing Proportional Functions (y = kx) · 18

y is proportional to x, and y = -7 when x = 5. Write the function.

Writing Proportional Functions (y = kx) · 19

The graph shows a proportional function. Write its equation.



Writing Proportional Functions (y = kx) · 20

A plant grows 3 centimeters every 2 weeks. Let x be the number of weeks and y the number of centimeters. Write the function.

Writing Proportional Functions (y = kx) · 21

y is proportional to x, and y = -8 when x = 20. Write the function.

Writing Proportional Functions (y = kx) · 22

The graph shows a proportional function. Write its equation.



Writing Proportional Functions (y = kx) · 23

A machine fills 9 bottles every 4 minutes. Let x be the number of minutes and y the number of bottles. Write the function.

Writing Proportional Functions (y = kx) · 24

y is proportional to x, and y = -9 when x = 12. Write the function.

Writing Proportional Functions (y = kx) · 18

ANSWER

$$y = -\frac{7}{5}x$$

Writing Proportional Functions (y = kx) · 17

ANSWER

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

Writing Proportional Functions (y = kx) · 20

ANSWER

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

Writing Proportional Functions (y = kx) · 19

ANSWER

$$y = \frac{9}{2}x$$

Writing Proportional Functions (y = kx) · 22

ANSWER

$$y = \frac{9}{5}x$$

Writing Proportional Functions (y = kx) · 21

ANSWER

$$y = -\frac{2}{5}x$$

Writing Proportional Functions (y = kx) · 24

ANSWER

$$y = -\frac{3}{4}x$$

Writing Proportional Functions (y = kx) · 23

ANSWER

$$y = \frac{9}{4}x$$