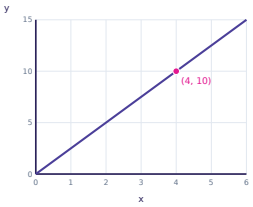
Task card 1 Writing Proportional Functions (y...

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

Task card 2 Writing Proportional Functions (y...

The graph shows a proportional function. Write its equation.



Task card 3 Writing Proportional Functions (y...

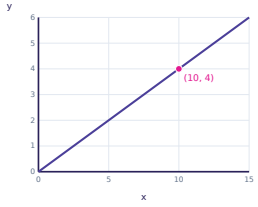
A plant grows 5 centimeters every 4 weeks. Let x be the number of weeks and y the number of centimeters. Write the function.

Task card 4 Writing Proportional Functions (y...

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

Task card 5 Writing Proportional Functions (y...

The graph shows a proportional function. Write its equation.



Task card 6 Writing Proportional Functions (y...

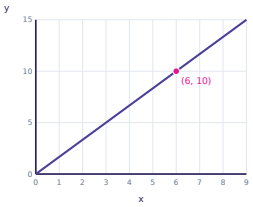
A printer prints 2 pages every 5 minutes. Let x be the number of minutes and y the number of pages. Write the function.

Task card 7 Writing Proportional Functions (y...

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

Task card 8 Writing Proportional Functions (y...

The graph shows a proportional function. Write its equation.



Task card 9 Writing Proportional Functions (y...

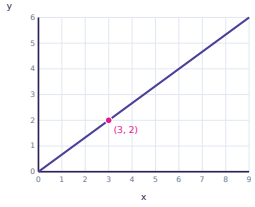
A recipe uses 6 cups of flour for every 5 batches. Let x be the number of batches and y the number of cups of flour. Write the function.

Task card 10 Writing Proportional Functions (y...

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

Task card 11 Writing Proportional Functions (y...

The graph shows a proportional function. Write its equation.



Task card 12 Writing Proportional Functions (y...

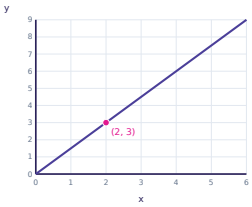
A faucet pours 6 liters every 5 minutes. Let x be the number of minutes and y the number of liters. Write the function.

Task card 13 Writing Proportional Functions (y...

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

Task card 14 Writing Proportional Functions (y...

The graph shows a proportional function. Write its equation.



Task card 15 Writing Proportional Functions (y...

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.

Task card 16 Writing Proportional Functions (y...

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

Task card 17 Writing Proportional Functions (y...

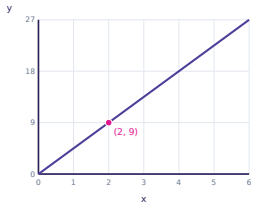
A machine fills 2 bottles every 3 minutes. Let x be the number of minutes and y the number of bottles. Write the function.

Task card 18 Writing Proportional Functions (y...

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

Task card 19 Writing Proportional Functions (y...

The graph shows a proportional function. Write its equation.



Task card 20 Writing Proportional Functions (y...

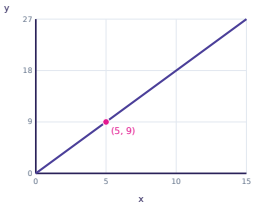
A plant grows 3 centimeters every 2 weeks. Let x be the number of weeks and y the number of centimeters. Write the function.

Task card 21 Writing Proportional Functions (y...

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

Task card 22 Writing Proportional Functions (y...

The graph shows a proportional function. Write its equation.



Task card 23 Writing Proportional Functions (y...

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

Task card 24 Writing Proportional Functions (y...

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

Writing Proportional Functions (y = kx) Task Cards

Recording sheet · Grade 8 · Write each function in the form y = kx. Write a fraction k in brackets, like y = (2/3)x.

Scan to check your answers

Name: _____ Date: _____

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24

Writing Proportional Functions (y = kx) Task Cards: Answer Key

Grade 8 · Hard

The answers online

1. $y = \frac{5}{2}x$	**2.** $y = \frac{5}{2}x$	**3.** $y = \frac{5}{4}x$
4. $y = -\frac{5}{3}x$	**5.** $y = \frac{2}{5}x$	**6.** $y = \frac{2}{5}x$
7. $y = \frac{9}{2}x$	**8.** $y = \frac{5}{3}x$	**9.** $y = \frac{6}{5}x$
10. $y = -\frac{2}{3}x$	**11.** $y = \frac{2}{3}x$	**12.** $y = \frac{6}{5}x$
13. $y = \frac{5}{3}x$	**14.** $y = \frac{3}{2}x$	**15.** $y = \frac{2}{3}x$
16. $y = -\frac{5}{3}x$	**17.** $y = \frac{2}{3}x$	**18.** $y = -\frac{7}{5}x$
19. $y = \frac{9}{2}x$	**20.** $y = \frac{3}{2}x$	**21.** $y = -\frac{2}{5}x$
22. $y = \frac{9}{5}x$	**23.** $y = \frac{9}{4}x$	**24.** $y = -\frac{3}{4}x$