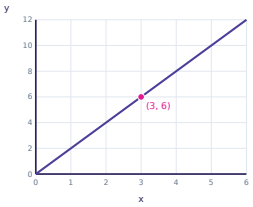
Task card 1 Writing Proportional Functions (y...

y is proportional to x, and y = 12 when x = 4. 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...

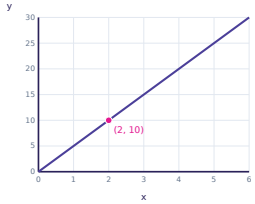
A machine fills 7 bottles every minute. Let x be the number of minutes and y the number of bottles. Write the function.

Task card 4 Writing Proportional Functions (y...

y is proportional to x, and y = -36 when x = 9. 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...

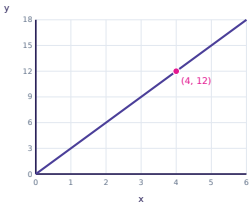
A printer prints 8 pages every minute. Let x be the number of minutes and y the number of pages. Write the function.

Task card 7 Writing Proportional Functions (y...

y is proportional to x, and y = 27 when x = 9. 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...

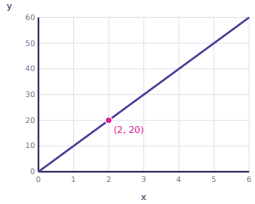
A recipe uses 8 cups of flour for every batch. Let x be the number of batches and y the number of cups of flour. Write the function.

Task card 10 Writing Proportional Functions (y...

y is proportional to x, and y = 90 when x = -9. 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...

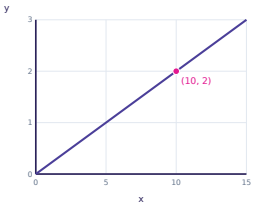
A plant grows 3 centimeters every week. Let x be the number of weeks and y the number of centimeters. Write the function.

Task card 13 Writing Proportional Functions (y...

y is proportional to x, and y = -4 when x = -12. 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...

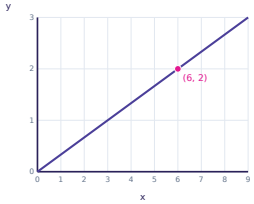
A faucet pours 1 liter every 5 minutes. Let x be the number of minutes and y the number of liters. Write the function.

Task card 16 Writing Proportional Functions (y...

y is proportional to x, and y = -1 when x = 3. Write the function.

Task card 17 Writing Proportional Functions (y...

The graph shows a proportional function. Write its equation.



Task card 18 Writing Proportional Functions (y...

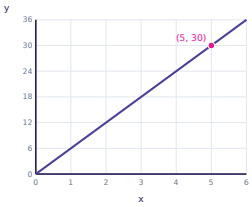
A plant grows 1 centimeter every 2 weeks. Let x be the number of weeks and y the number of centimeters. Write the function.

Task card 19 Writing Proportional Functions (y...

y is proportional to x, and y = 6 when x = 2. Write the function.

Task card 20 Writing Proportional Functions (y...

The graph shows a proportional function. Write its equation.



Task card 21 Writing Proportional Functions (y...

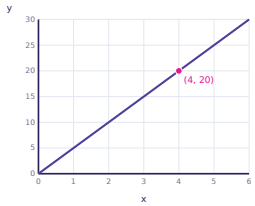
A machine fills 2 bottles every minute. Let x be the number of minutes and y the number of bottles. Write the function.

Task card 22 Writing Proportional Functions (y...

y is proportional to x, and y = -81 when x = 9. Write the function.

Task card 23 Writing Proportional Functions (y...

The graph shows a proportional function. Write its equation.



Task card 24 Writing Proportional Functions (y...

A bakery bakes 6 loaves every hour. Let x be the number of hours and y the number of loaves. 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 · Medium

The answers online

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