Task card 1 Constant of Proportionality

A recipe uses 4 cups of flour for 8 batches. The relationship is proportional. What is the constant of proportionality in cups per batch?

Task card 2 Constant of Proportionality

The equation $4y = 2x$ shows a proportional relationship. What is the constant of proportionality k?

Task card 3 Constant of Proportionality

A printer prints 6 pages in 4 minutes. The relationship is proportional. What is the constant of proportionality in pages per minute?

Task card 4 Constant of Proportionality

The equation $6y = 36x$ shows a proportional relationship. What is the constant of proportionality k?

Task card 5 Constant of Proportionality

60 inches of snow fell in 5 hours. The relationship is proportional. What is the constant of proportionality in inches per hour?

Task card 6 Constant of Proportionality

The equation $12y = 6x$ shows a proportional relationship. What is the constant of proportionality k?

Task card 7 Constant of Proportionality

A plant grows 6 centimeters in 24 weeks. The relationship is proportional. What is the constant of proportionality in centimeters per week?

Task card 8 Constant of Proportionality

The equation 12y = 4x shows a proportional relationship. What is the constant of proportionality k?

Task card 9 Constant of Proportionality

A hiker walks 4 kilometers in 6 hours. The relationship is proportional. What is the constant of proportionality in kilometers per hour?

Task card 10 Constant of Proportionality

The equation 15y = 9x shows a proportional relationship. What is the constant of proportionality k?

Task card 11 Constant of Proportionality

A hiker walks 49 kilometers in 14 hours. The relationship is proportional. What is the constant of proportionality in kilometers per hour?

Task card 12 Constant of Proportionality

The equation 12y = 20x shows a proportional relationship. What is the constant of proportionality k?

Task card 13 Constant of Proportionality

2 inches of snow fell in 6 hours. The relationship is proportional. What is the constant of proportionality in inches per hour?

Task card 14 Constant of Proportionality

The equation 5y = 40x shows a proportional relationship. What is the constant of proportionality k?

Task card 15 Constant of Proportionality

A plant grows 6 centimeters in 9 weeks. The relationship is proportional. What is the constant of proportionality in centimeters per week?

Task card 16 Constant of Proportionality

The equation 6y = 3x shows a proportional relationship. What is the constant of proportionality k?

Task card 17 Constant of Proportionality

A hiker walks 21 kilometers in 7 hours. The relationship is proportional. What is the constant of proportionality in kilometers per hour?

Task card 18 Constant of Proportionality

The equation 24y = 6x shows a proportional relationship. What is the constant of proportionality k?

Task card 19 Constant of Proportionality

A car travels 18 miles on 12 gallons of gas. The relationship is proportional. What is the constant of proportionality in miles per gallon?

Task card 20 Constant of Proportionality

The equation 10y = 5x shows a proportional relationship. What is the constant of proportionality k?

Task card 21 Constant of Proportionality

A hiker walks 12 kilometers in 3 hours. The relationship is proportional. What is the constant of proportionality in kilometers per hour?

Task card 22 Constant of Proportionality

A car travels 20 miles on 15 gallons of gas. The relationship is proportional. What is the constant of proportionality in miles per gallon?

Task card 23 Constant of Proportionality

The equation 10y = 25x shows a proportional relationship. What is the constant of proportionality k?

Task card 24 Constant of Proportionality

A recipe uses 27 cups of flour for 3 batches. The relationship is proportional. What is the constant of proportionality in cups per batch?

Constant of Proportionality Task Cards

Recording sheet · Grade 7 · Find the constant of proportionality k in y = kx. Write k as a whole number or a fraction in simplest form.

Name: _____ Date: _____

Scan to check your answers

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

Constant of Proportionality Task Cards: Answer Key

Grade 7 · Medium

The answers online

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