Task card 1 Constant of Proportionality

A car travels 32 miles on 4 gallons of gas. The relationship is proportional. What is the constant of proportionality in miles per gallon?

Task card 2 Constant of Proportionality

The equation 9y = 6x shows a proportional relationship. What is the constant of proportionality k?

Task card 3 Constant of Proportionality

A recipe uses 3 cups of flour for 5 batches. The relationship is proportional. What is the constant of proportionality in cups per batch?

Task card 4 Constant of Proportionality

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

Task card 5 Constant of Proportionality

A recipe uses 32 cups of flour for 4 batches. The relationship is proportional. What is the constant of proportionality in cups per batch?

Task card 6 Constant of Proportionality

The equation 12y = 30x shows a proportional relationship. What is the constant of proportionality k?

Task card 7 Constant of Proportionality

A faucet fills 10 liters in 6 minutes. The relationship is proportional. What is the constant of proportionality in liters per minute?

Task card 8 Constant of Proportionality

The equation 10y = 35x shows a proportional relationship. What is the constant of proportionality k?

Task card 9 Constant of Proportionality

A plant grows 60 centimeters in 6 weeks. The relationship is proportional. What is the constant of proportionality in centimeters per week?

Task card 10 Constant of Proportionality

The equation 4y = 8x shows a proportional relationship. What is the constant of proportionality k?

Task card 11 Constant of Proportionality

A recipe uses 12 cups of flour for 2 batches. The relationship is proportional. What is the constant of proportionality in cups per batch?

Task card 12 Constant of Proportionality

The equation 6y = 10x shows a proportional relationship. What is the constant of proportionality k?

Task card 13 Constant of Proportionality

A recipe uses 21 cups of flour for 3 batches. The relationship is proportional. What is the constant of proportionality in cups per batch?

Task card 14 Constant of Proportionality

The equation 24y = 30x shows a proportional relationship. What is the constant of proportionality k?

Task card 15 Constant of Proportionality

A printer prints 35 pages in 7 minutes. The relationship is proportional. What is the constant of proportionality in pages per minute?

Task card 16 Constant of Proportionality

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

Task card 17 Constant of Proportionality

24 inches of snow fell in 18 hours. The relationship is proportional. What is the constant of proportionality in inches per hour?

Task card 18 Constant of Proportionality

The equation 24y = 18x shows a proportional relationship. What is the constant of proportionality k?

Task card 19 Constant of Proportionality

6 inches of snow fell in 15 hours. The relationship is proportional. What is the constant of proportionality in inches per hour?

Task card 20 Constant of Proportionality

The equation 4y = 32x shows a proportional relationship. What is the constant of proportionality k?

Task card 21 Constant of Proportionality

A plant grows 14 centimeters in 2 weeks. The relationship is proportional. What is the constant of proportionality in centimeters per week?

Task card 22 Constant of Proportionality

The equation 16y = 20x shows a proportional relationship. What is the constant of proportionality k?

Task card 23 Constant of Proportionality

A recipe uses 12 cups of flour for 16 batches. The relationship is proportional. What is the constant of proportionality in cups per batch?

Task card 24 Constant of Proportionality

The equation 4y = 36x shows a proportional relationship. What is the constant of proportionality k?

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 · Hard

The answers online

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