**Task card 1** Solving Proportions

$$\frac{12}{14} = \frac{x}{42}$$

**Task card 2** Solving Proportions

$$\frac{5}{8} = \frac{x}{40}$$

**Task card 3** Solving Proportions

Is $\frac{15}{24} = \frac{25}{40}$ a true proportion?

Write yes or no.

**Task card 4** Solving Proportions

6 tickets to the fair cost $14. At the same price, how many dollars do 30 tickets cost?

**Task card 5** Solving Proportions

$$\frac{x}{12} = \frac{10}{60}$$

**Task card 6** Solving Proportions

$$\frac{8}{x} = \frac{32}{40}$$

**Task card 7** Solving Proportions

On a map, 6 inches stand for 8 miles. How many miles do 30 inches stand for?

**Task card 8** Solving Proportions

$$\frac{x}{14} = \frac{60}{70}$$

**Task card 9** Solving Proportions

$$\frac{72}{x} = \frac{32}{12}$$

**Task card 10** Solving Proportions

$$\frac{81}{36} = \frac{45}{x}$$

**Task card 11** Solving Proportions

Is $\frac{36}{16} = \frac{27}{12}$ a true proportion?

Write yes or no.

**Task card 12** Solving Proportions

A snail crawls 28 inches in 32 minutes. At this rate, how many minutes does it take to crawl 49 inches?

**Task card 13** Solving Proportions

$$\frac{8}{x} = \frac{6}{12}$$

**Task card 14** Solving Proportions

$$\frac{5}{10} = \frac{7}{x}$$

**Task card 15** Solving Proportions

14 pounds of apples cost $18. At the same price, how many dollars do 21 pounds cost?

**Task card 16** Solving Proportions

$$\frac{x}{28} = \frac{9}{21}$$

**Task card 17** Solving Proportions

$$\frac{x}{18} = \frac{35}{10}$$

**Task card 18** Solving Proportions

$$\frac{70}{60} = \frac{21}{x}$$

**Task card 19** Solving Proportions

Is $\frac{36}{30} = \frac{12}{11}$ a true proportion?

Write yes or no.

**Task card 20** Solving Proportions

A snail crawls 40 inches in 48 minutes. At this rate, how many minutes does it take to crawl 35 inches?

**Task card 21** Solving Proportions

$$\frac{24}{x} = \frac{18}{24}$$

**Task card 22** Solving Proportions

$$\frac{72}{56} = \frac{81}{x}$$

**Task card 23** Solving Proportions

A gardener plants 30 bulbs in 18 minutes. At this rate, how many minutes does it take to plant 20 bulbs?

**Task card 24** Solving Proportions

$$\frac{30}{50} = \frac{x}{40}$$

# Solving Proportions Task Cards

Recording sheet · Grade 6 · Solve each proportion for x, or answer the question.

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 |

# Solving Proportions Task Cards: Answer Key

Grade 6 · Medium

The answers online

| | | |
|---|---|---|
| **1.** x = 36 | **2.** x = 25 | **3.** yes |
| **4.** $70 | **5.** x = 2 | **6.** x = 10 |
| **7.** 40 | **8.** x = 12 | **9.** x = 27 |
| **10.** x = 20 | **11.** yes | **12.** 56 |
| **13.** x = 16 | **14.** x = 14 | **15.** $27 |
| **16.** x = 12 | **17.** x = 63 | **18.** x = 18 |
| **19.** no | **20.** 42 | **21.** x = 32 |
| **22.** x = 63 | **23.** 12 | **24.** x = 24 |