

Set up a proportion from a context

NAME	DATE	SCORE / 10
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- 1** 3 pens cost \$12. Let x be the cost, in dollars, of 5 pens. Write a proportion that you could solve to find x .

- 2** Leo reads 10 pages in 5 days. Which proportion finds the pages Leo reads in 9 days?
☐ $5:9 = \square:10$ ☐ $10:5 = 9:\square$ ☐ $9:5 = 10:\square$ ☐ $5:9 = 10:\square$

- 3** 5 cups of flour make 20 cookies. Let x be the number of cookies made from 2 cups of flour. Write a proportion that you could solve to find x .

- 4** Ivy reads 40 pages in 5 days. Which proportion finds the pages Ivy reads in 8 days?
☐ $40:5 = 8:\square$ ☐ $5:40 = \square:8$ ☐ $5:8 = \square:40$ ☐ $8:5 = \square:40$

- 5** Ivy reads 14 pages in 2 days. Let x be the number of pages Ivy reads in 3 days. Write a proportion that you could solve to find x .

- 6** 5 cups of flour make 15 cookies. Which proportion finds the cookies made from 7 cups of flour?
☐ $5:7 = 15:\square$ ☐ $15:5 = 7:\square$ ☐ $5:15 = \square:7$ ☐ $5:7 = \square:15$

7

A bike goes 6 kilometres in 3 hours. Let x be the kilometres the bike goes in 7 hours. Write a proportion that you could solve to find x .

8

A bike goes 40 kilometres in 5 hours. Which proportion finds the kilometres the bike goes in 7 hours?

☐ $5:7 = 40:\square$
 ☐ $40:5 = 7:\square$
 ☐ $7:5 = 40:\square$
 ☐ $5:7 = \square:40$

9

Ana reads 4 pages in 2 days. Let x be the number of pages Ana reads in 7 days. Write a proportion that you could solve to find x .

10

3 pens cost \$9. Which proportion finds the cost of 4 pens?

☐ $4:3 = 9:\square$
 ☐ $3:4 = \square:9$
 ☐ $3:9 = \square:4$
 ☐ $3:4 = 9:\square$

Set up a proportion from a context

1 $\frac{3}{12} = \frac{5}{x}$

3 $\frac{5}{20} = \frac{2}{x}$

5 $\frac{2}{14} = \frac{3}{x}$

7 $\frac{3}{6} = \frac{7}{x}$

9 $\frac{2}{4} = \frac{7}{x}$

2 $5:9 = 10:\square$

4 $8:5 = \square:40$

6 $5:7 = 15:\square$

8 $5:7 = 40:\square$

10 $3:4 = 9:\square$