

Set up a proportion from a context

NAME	DATE	SCORE / 10
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- 1** 2 cups of flour make 6 cookies. Let x be the number of cookies made from 8 cups of flour. Write a proportion that you could solve to find x .

- 2** 2 pens cost \$16. Which proportion finds the cost of 3 pens?

☐ $2:3 = \square:16$
☐ $3:2 = 16:\square$
☐ $16:2 = 3:\square$
☐ $2:16 = 3:\square$

- 3** Ana reads 16 pages in 4 days. Let x be the number of pages Ana reads in 8 days. Write a proportion that you could solve to find x .

- 4** A bike goes 54 kilometres in 6 hours. Which proportion finds the kilometres the bike goes in 7 hours?

☐ $6:7 = \square:54$
☐ $54:6 = 7:\square$
☐ $6:54 = \square:7$
☐ $54:6 = \square:7$

- 5** 5 pens cost \$35. Let x be the cost, in dollars, of 4 pens. Write a proportion that you could solve to find x .

- 6** Cleo reads 12 pages in 6 days. Which proportion finds the pages Cleo reads in 5 days?

☐ $6:12 = \square:5$
☐ $12:6 = 5:\square$
☐ $6:5 = \square:12$
☐ $6:5 = 12:\square$

7

Ben reads 20 pages in 5 days. Let x be the number of pages Ben reads in 9 days. Write a proportion that you could solve to find x .

8

6 cups of flour make 42 cookies. Which proportion finds the cookies made from 4 cups of flour?

- ☐ $42:6 = 4:\square$
 ☐ $6:4 = \square:42$
 ☐ $4:6 = 42:\square$
 ☐ $6:4 = 42:\square$

9

A bike goes 40 kilometres in 5 hours. Let x be the kilometres the bike goes in 4 hours. Write a proportion that you could solve to find x .

10

Ivy reads 16 pages in 4 days. Which proportion finds the pages Ivy reads in 7 days?

- ☐ $7:4 = 16:\square$
 ☐ $4:7 = \square:16$
 ☐ $4:7 = 16:\square$
 ☐ $4:16 = \square:7$

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1 $\frac{2}{6} = \frac{8}{x}$

3 $\frac{4}{16} = \frac{8}{x}$

5 $\frac{5}{35} = \frac{4}{x}$

7 $\frac{5}{20} = \frac{9}{x}$

9 $\frac{5}{40} = \frac{4}{x}$

2 $2:16 = 3:\square$

4 $54:6 = \square:7$

6 $6:5 = 12:\square$

8 $6:4 = 42:\square$

10 $4:7 = 16:\square$