

Set up a proportion from a context

NAME	DATE	SCORE / 10
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- 1** 2 cups of flour make 10 cookies. Let x be the number of cookies made from 3 cups of flour. Write a proportion that you could solve to find x .

- 2** A bike goes 27 kilometres in 3 hours. Which proportion finds the kilometres the bike goes in 8 hours?

☐ $3:27 = \square:8$
☐ $27:3 = 8:\square$
☐ $3:8 = \square:27$
☐ $27:3 = \square:8$

- 3** A bike goes 4 kilometres in 2 hours. Let x be the kilometres the bike goes in 3 hours. Write a proportion that you could solve to find x .

- 4** 5 pens cost \$45. Which proportion finds the cost of 3 pens?

☐ $45:5 = 3:\square$
☐ $5:45 = \square:3$
☐ $5:3 = \square:45$
☐ $5:3 = 45:\square$

- 5** 4 pens cost \$32. Let x be the cost, in dollars, of 5 pens. Write a proportion that you could solve to find x .

- 6** Dev reads 30 pages in 6 days. Which proportion finds the pages Dev reads in 4 days?

☐ $30:6 = \square:4$
☐ $6:4 = \square:30$
☐ $6:30 = \square:4$
☐ $30:6 = 4:\square$

- 7** Noah reads 30 pages in 6 days. Let x be the number of pages Noah reads in 2 days. Write a proportion that you could solve to find x .

- 8** Emma reads 9 pages in 3 days. Which proportion finds the pages Emma reads in 7 days?

☐ $3:7 = \square:9$
 ☐ $9:3 = 7:\square$
 ☐ $3:9 = 7:\square$
 ☐ $7:3 = 9:\square$

- 9** Dev reads 10 pages in 5 days. Let x be the number of pages Dev reads in 3 days. Write a proportion that you could solve to find x .

- 10** 4 cups of flour make 8 cookies. Which proportion finds the cookies made from 5 cups of flour?

☐ $5:4 = 8:\square$
 ☐ $8:4 = 5:\square$
 ☐ $8:4 = \square:5$
 ☐ $4:5 = \square:8$

Set up a proportion from a context

1 $\frac{2}{10} = \frac{3}{x}$

3 $\frac{2}{4} = \frac{3}{x}$

5 $\frac{4}{32} = \frac{5}{x}$

7 $\frac{6}{30} = \frac{2}{x}$

9 $\frac{5}{10} = \frac{3}{x}$

2 $27:3 = \square:8$

4 $5:3 = 45:\square$

6 $30:6 = \square:4$

8 $3:9 = 7:\square$

10 $8:4 = \square:5$