

Set up a proportion from a context

NAME	DATE	SCORE / 10
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- 1** 6 cups of flour make 12 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** Emma reads 40 pages in 5 days. Which proportion finds the pages Emma reads in 4 days?

☐ $5:4 = \square:40$
☐ $40:5 = 4:\square$
☐ $5:40 = \square:4$
☐ $4:5 = \square:40$

- 3** 3 pens cost \$15. Let x be the cost, in dollars, of 2 pens. Write a proportion that you could solve to find x .

- 4** 2 cups of flour make 8 cookies. Which proportion finds the cookies made from 5 cups of flour?

☐ $8:2 = 5:\square$
☐ $2:5 = \square:8$
☐ $2:5 = 8:\square$
☐ $5:2 = 8:\square$

- 5** Maya reads 12 pages in 4 days. Let x be the number of pages Maya reads in 8 days. Write a proportion that you could solve to find x .

- 6** 2 pens cost \$6. Which proportion finds the cost of 4 pens?

☐ $2:4 = \square:6$
☐ $2:6 = 4:\square$
☐ $6:2 = 4:\square$
☐ $4:2 = 6:\square$

7

A bike goes 35 kilometres in 5 hours. Let x be the kilometres the bike goes in 6 hours. Write a proportion that you could solve to find x .

8

Ana reads 18 pages in 6 days. Which proportion finds the pages Ana reads in 4 days?

☐ $6:18 = \square:4$
☐ $18:6 = \square:4$
☐ $18:6 = 4:\square$
☐ $4:6 = 18:\square$

9

Noah reads 20 pages in 4 days. Let x be the number of pages Noah reads in 8 days. Write a proportion that you could solve to find x .

10

A bike goes 27 kilometres in 3 hours. Which proportion finds the kilometres the bike goes in 4 hours?

☐ $4:3 = 27:\square$
☐ $3:4 = \square:27$
☐ $27:3 = 4:\square$
☐ $3:4 = 27:\square$

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1 $6/12 = 3/x$

3 $3/15 = 2/x$

5 $4/12 = 8/x$

7 $5/35 = 6/x$

9 $4/20 = 8/x$

2 $4:5 = \square:40$

4 $2:5 = 8:\square$

6 $2:6 = 4:\square$

8 $18:6 = \square:4$

10 $3:4 = 27:\square$