

Big Ideas Math ©2014 Green

Section 5.2 Exercises

Ratio Tables

Exercise 3

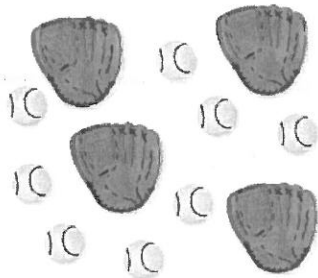
Which ratio does *not* belong with the other three? Explain your reasoning.

- 3 : 4
- 9 : 12
- 12 : 15
- 12 : 16

The ratio chosen is equivalent to to . The three ratios not chosen are all equivalent to to .

Exercise 4

Choose two ratios that describe the collection of baseballs to gloves.



- 8 : 4
- 6 : 4
- 2 : 1
- 2 : 4

Exercise 6

Find the missing value in the ratio table. Then write the equivalent ratios.

Boys	1	<input type="text"/>
Girls	5	10

Equivalent ratios are 1 : and :

Exercise 8

Find the missing values in the ratio table. Then write the equivalent ratios.

Taxis	6	<input type="text"/>	36
Buses	5	15	<input type="text"/>

Equivalent ratios are $6 : \square$, $\square : 15$, and $\square : \square$

Exercise 10

Find the missing values in the ratio table. Then write the equivalent ratios.

Towels	14	7	<input type="text"/>
Blankets	8	<input type="text"/>	16

Equivalent ratios are $14 : \square$, $7 : \square$, and $\square : \square$

Exercise 12

Your neighbor pays you \$17 for every 2 hours you work. You work for 8 hours on Saturday. How much does your neighbor owe you?

Your neighbor owes you \$.

Exercise 14

A store sells 2 printers for every 5 computers. The store sells 40 computers. How many printers does the store sell? Complete the ratio table to solve the problem.

Printers	2	<input type="text"/>	8	<input type="text"/>
Computers	5	10	<input type="text"/>	40

The store sells printers.

Exercise 16

A grade has 81 girls and 72 boys. The grade is split into groups that have the same ratio of girls to boys as the whole grade. How many girls are in a group that has 16 boys? Complete the ratio table to solve the problem.

Girls	81	9	<input type="text"/>
Boys	72	<input type="text"/>	16

There are girls.

Exercise 18

Describe the error in making the ratio table.

X	A	5	25	125
	B	3	9	27

Each part of the original ratio multiplied by .

Show one way to correct the error by completing the ratio table.

A	5	25	125
B	3	<input type="text"/>	<input type="text"/>

Exercise 20

You are downloading songs to your MP3 player. The ratio of pop songs to rock songs is 5 : 4. You download 40 pop songs. How many rock songs do you download?

You download rock songs.

