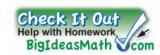
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## 5.2 Exercises





1.	VOCABULARY How can you tell whether two ratios are equivalent?
	<b>NUMBER SENSE</b> Consider the ratio 3 : 5. Can you create an equivalent ratio by adding the same number to each quantity in the ratio? Explain.

3. WHICH ONE DOESN'T BELONG? Which ratio does not belong with the other three? Explain your reasoning.

3:4

9:12

12:15

12:16

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

10.	Towels	14

Towels	14	7	
Blankets	8		16

12. WORK 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?

Complete the ratio table to solve the problem.

**14.** A store sells 2 printers for every 5 computers. The store sells 40 computers. How many printers does the store sell?

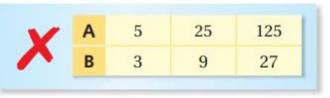
Printers	2		8	
Computers	5	10		40

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?

Girls	81	
Boys	72	16

ERROR ANALYSIS Describe and correct the error in making the ratio table.

18.



Two whole numbers A and B satisfy the following conditions. Find A and B.

- **26.** A + B = 30 *A*: *B* is equivalent to 2:3.
- **28.** A B = 18 *A*: *B* is equivalent to 11:5.

Amount Pe	r S	eı	vi	ng		
Calories 16	1	(	Ca	lori	es from	Fat 109
				%	Daily '	Value¹
Total Fat 1	3g					20%
Saturated	Fat	3	g			13%
Trans Fat						
Cholestero	0n	ng	1			0%
Sodium 4m	g					0%
Total Carbo	ohy	d	ra	te	9g	3%
Dietary Fil	oer '	19	1		2000	3%
Sugars 1g	1					
Protein 4g						
Vitamin A	09	%	٠	Vi	tamin C	0%
Calcium	19	%		Iro	n	9%

- 30. CASHEWS The nutrition facts label on a container of dry roasted cashews indicates there are 161 calories in 28 grams. You eat 9 cashews totaling 12 grams.
  - a. How many calories do you consume?
  - b. How many cashews are in one serving?
- 32. SURVEY Seven out of every 8 students surveyed owns a bike. The difference between the number of students who own a bike and those who do not is 72. How many students were surveyed?