

Name: _____

Practice & Problem Solving

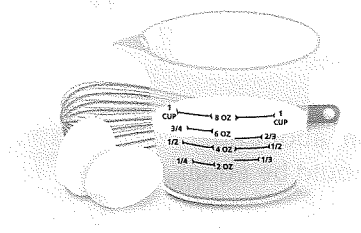


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11. Eva is making French toast. How many ounces of milk should Eva use with 10 eggs?

Milk (oz)	5	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Eggs	2	4	6	8	10

The recipe calls for 5 ounces of milk for every 2 eggs.



In 12–15, write three ratios that are equivalent to the given ratio.

12. $\frac{6}{7}$

13. $\frac{9}{5}$

14. 8:14

15. 7:9

16. A teacher kept track of what students consumed at a school picnic. For three grades, the ratios of the amount of water consumed to the amount of fruit juice consumed were equivalent. Complete the table.

Grade	Water (gallons)	Juice (gallons)
5th	6	7
6th	24	<input type="text"/>
7th	18	<input type="text"/>

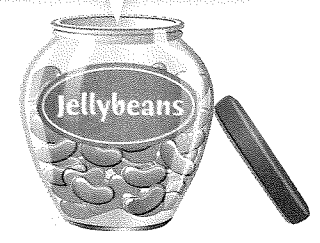
17. The attendant at a parking lot compared the number of hybrid vehicles to the total number of vehicles in the lot during a weekend. The ratios for the three days were equivalent. Complete the table.

Day	Hybrids	Total
Fri.	4	9
Sat.	<input type="text"/>	63
Sun.	32	<input type="text"/>

18. Shiloh is sharing jellybeans. The jar of jellybeans has the ratio shown. If Shiloh keeps the ratio the same and gives his friend 7 pink jellybeans, how many green jellybeans should he also share?

32 green jellybeans
56 pink jellybeans

Green Jellybeans	<input type="text"/>	<input type="text"/>	<input type="text"/>	32
Pink Jellybeans	7	<input type="text"/>	<input type="text"/>	56



19. **Use Appropriate Tools** Equivalent ratios can be found by extending pairs of rows or columns in a multiplication table. Write three ratios equivalent to $\frac{2}{5}$ using the multiplication table.

X	0	1	2	3	4	5	6
0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6
2	0	2	4	6	8	10	12
3	0	3	6	9	12	15	18
4	0	4	8	12	16	20	24
5	0	5	10	15	20	25	30
6	0	6	12	18	24	30	36

20. If $5 \text{ mi} \approx 8 \text{ km}$, about how many miles would be equal to 50 km? Explain.



21. **Vocabulary** How is the word *term* defined when used to describe a ratio relationship? How is the word *term* defined in the context of an expression?

22. **Higher Order Thinking** Three sisters are saving for a special vacation. The ratio of Ada's savings to Ellie's savings is 7:3, and the ratio of Ellie's savings to Jasmine's savings is 3:4. Together all three girls have saved \$56. How much has each girl saved? Complete the table. Explain how the table can be used to solve the problem.

Ada's savings	\$7	<input type="text"/>	\$21	<input type="text"/>
Ellie's savings	<input type="text"/>	\$6	<input type="text"/>	<input type="text"/>
Jasmine's savings	\$4	<input type="text"/>	<input type="text"/>	\$16

Assessment Practice

23. Select all the ratios that are equivalent to 18:8.

- 9:4
 6:3
 $\frac{48}{24}$
 $\frac{90}{40}$
 36 to 16

24. Select all the ratios that are equivalent to 3:5.

- 5 to 7
 2:4
 9:15
 $\frac{18}{30}$
 5:3

