



# Ratio, Proportion & Percent

Math  
E

Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

- 1 Keri has a bag of marbles. There are 14 black marbles, 7 blue marbles, and 8 green marbles. What is the ratio of black marbles to all the marbles? Circle it.

7:29



14:29



14:14



- 6 Amanda has 17 blue marbles, 4 orange marbles, and 18 violet marbles in her pocket. What is the ratio of blue marbles to violet marbles? Write it.



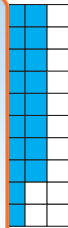
- 2 Mark has the following: 3 black marbles, 13 orange marbles, and 4 violet marbles. What is the ratio of orange marbles to all the marbles?

3:4

3:20

3:13

- 7 Write the decimal as a percent.



\_\_\_\_\_ decimal.

- 3 Circle another way to write the ratio 3 to 4.

3 to 4

1/12

- 4 Circle another way to write the ratio 5:10.

10:5

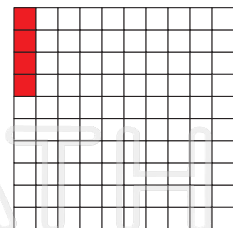
5/10

10 to 5

1/5

- 9 Write the fraction as a percent.

$$\frac{4}{100}$$



- 5 Are these ratios proportional? Write yes or no next to each pair.

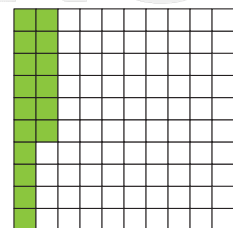
$$9/36 = 6/24$$

$$7/5 = 20/28$$

$$8/9 = 24/27$$

- 10 Write the percent as a fraction.

16%



**PREVIEW**

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# Ratio, Proportion & Percent - Answer Key

Math  
E

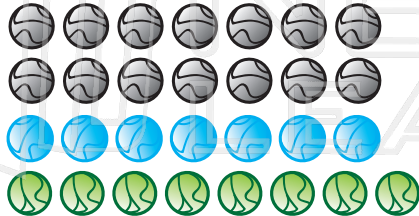
Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

- 1 Keri has a bag of marbles. There are 14 black marbles, 7 blue marbles, and 8 green marbles. What is the ratio of black marbles to all the marbles? Circle it.

7:29

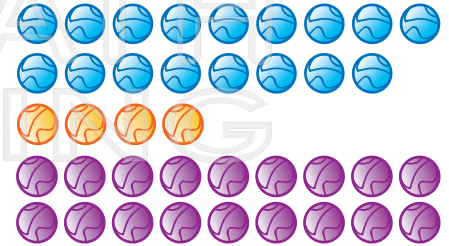
14:29

14:14



- 6 Amanda has 17 blue marbles, 4 orange marbles, and 18 violet marbles in her pocket. What is the ratio of blue marbles to violet marbles? Write it.

17:18



- 2 Mark has the following: 3 black marbles, 13 orange marbles, and 4 violet marbles. What is the ratio of orange marbles to all the marbles?

3:4

3:20

3:13



## PREVIEW

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- 3 Circle another way to write the ratio 3 to 4.

3 to 4

1/12

- 4 Circle another way to write the ratio 5:10.

10:5

5/10

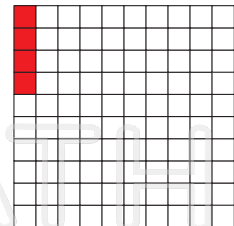
10 to 5

1/5

- 9 Write the fraction as a percent.

$\frac{4}{100}$

0.60



- 5 Are these ratios proportional? Write yes or no next to each pair.

$\frac{9}{36} = \frac{6}{24}$  yes

$\frac{7}{5} = \frac{20}{28}$  no

$\frac{8}{9} = \frac{24}{27}$  yes

- 10 Write the percent as a fraction.

16%

$\frac{16}{100}$

