Ratio, Proportion & Percent

Math

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**.

7 Write the **decimal** as a **percent**.

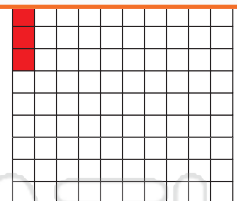**3**

4

10:5   5/10

10 to 5   1/5

$\frac{4}{100}$

5 Are these ratios **proportional**? Write **yes** or **no** next to each pair.
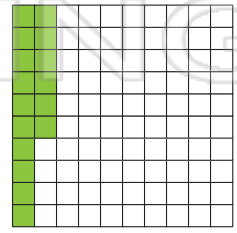
9/36 = 6/24

7/5 = 20/28

8/9 = 24/27

10 Write the **percent** as a **fraction**.

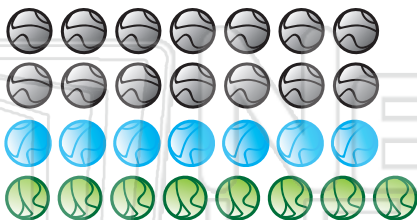16%

Ratio, Proportion & Percent - Answer Key

Math

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.
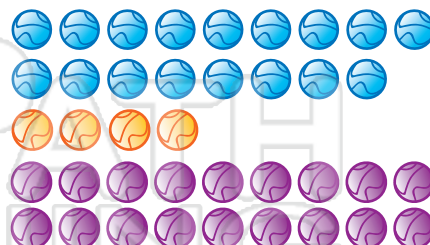
7:29

(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**.

7 Write the **decimal** as a **percent**.

3

4

10:5   (5/10)

10 to 5   1/5

4/100

0.60
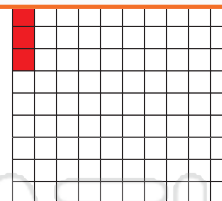
5 Are these ratios **proportional**? Write **yes** or **no** next to each pair.

9/36 = 6/24   yes

7/5 = 20/28   no

8/9 = 24/27   yes

10 Write the **percent** as a **fraction**.

16%

16/100