

Ratio Test Review

Name Key

1. What is the ratio of boys to girls written in three ways?



$$\frac{2}{5}$$
$$2 \text{ to } 5$$
$$2:3$$

2. There are 8 red Skittles and 12 orange Skittles. Write the ratio of Red Skittles to Orange Skittles in simplest form.

$$\frac{8 \div 4}{12 \div 4} = \frac{2 \text{ Red}}{3 \text{ Orange}}$$

3. Which of the following is an equivalent ratio to 4 to 16?

- A. 1 to 3
 B. 1 to 4
C. 4 to 4
D. 4 to 1

$$\frac{4 \div 4}{16 \div 4} = \frac{1}{4}$$

4. There are 40 pieces of pizza left in the cafeteria and 80 sixth grade students. What is the ratio of pieces of pizza to sixth graders in simplest form?

- A. 1 to 2
B. 40 to 80
C. 2 to 4
D. 3 to 4

$$\frac{40 \div 40}{80 \div 40} = \frac{1}{2}$$

5. The ratio of girls to boys in Mrs. Ambrose's class is 1 to 4. If there are 20 boys in her class, how many girls will there be?

- A. 3
B. 6
 C. 5
D. 4

$$\frac{1 \text{ Girl} \times 5}{4 \text{ Boys} \times 5} = \frac{? \text{ Girls}}{20 \text{ Boys}}$$

6. Use the table at the right. What is the ratio of blue colored pencils to total colored pencils in SIMPLEST FORM?

- A. 6 to 13
 B. 6 to 34
 C. 1 to 6
 D. 8 to 6

$$\begin{array}{r} 13 \\ 9 \\ 8 \\ + 6 \\ \hline 36 \end{array}$$

Colors	Number of Each
Red	13
Orange	9
Pink	8
Blue	6

$$\frac{6 \div 6}{36 \div 6} = \frac{1}{6}$$

7. Mr. Stipe has a fish tank. There are 8 trout, 10 blue gill, 4 small mouth bass, and 2 largemouth bass. What is the ratio of trout to total fish in SIMPLEST FORM?

$$\frac{8 \div 8}{24 \div 8} = \frac{1}{3}$$

$$\begin{array}{r} 10 \\ 8 \\ 4 \\ + 2 \\ \hline 24 \end{array}$$

8. Mrs. Greco has 25 students in her class. The ratio of girls to students in her class is 12:25. What would be the ratio girls to boys?

$$\begin{array}{r} 25 \\ - 12 \\ \hline 13 \end{array}$$

$$\frac{12}{13}$$

$$12 \text{ to } 13 \quad 12:13$$

9. Which term makes the ratio equivalent?

$$\begin{array}{l} 6 \times 4 = 24 \\ 8 \times 4 = 32 \end{array}$$

- A. 4
 B. 40
 C. 8
 D. 32

10. Which of the following is true?

- A. 2 to 5 = 5:2
 B. 2 to 3 = 2:3
 C. 1 to 2 = $\frac{2}{1}$
 D. 3:12 = $\frac{12}{9}$

You can't change the order!

11. Jacob is a farmer. He owns 84 cows and 12 sheep. What is the ratio of total animals to sheep in Simplest Form?

$$\begin{array}{r} 84 \\ + 12 \\ \hline 96 \end{array}$$

$$\frac{96 \div 12}{12 \div 12} = \frac{8}{1}$$