

# Ratios Basics

Grades 7-8 • Understanding and simplifying ratios

Name: \_\_\_\_\_

Date: \_\_\_\_\_

1. There are 8 boys and 20 girls. What is the ratio of boys to girls in simplest form?

Answer: \_\_\_\_\_

2. There are 9 red marbles and 15 blue marbles. What is the ratio of red marbles to blue marbles in simplest form?

Answer: \_\_\_\_\_

3. There are 6 apples and 12 oranges. What is the ratio of apples to oranges in simplest form?

Answer: \_\_\_\_\_

4. There are 24 cars and 32 trucks. What is the ratio of cars to trucks in simplest form?

Answer: \_\_\_\_\_

5. There are 15 apples and 20 oranges. What is the ratio of apples to oranges in simplest form?

Answer: \_\_\_\_\_

6. There are 5 boys and 20 girls. What is the ratio of boys to girls in simplest form?

Answer: \_\_\_\_\_

7. There are 18 cats and 30 dogs. What is the ratio of cats to dogs in simplest form?

Answer: \_\_\_\_\_

8. There are 12 cars and 18 trucks. What is the ratio of cars to trucks in simplest form?

Answer: \_\_\_\_\_

9. There are 14 cats and 21 dogs. What is the ratio of cats to dogs in simplest form?

Answer: \_\_\_\_\_

**10.** There are 24 cars and 32 trucks. What is the ratio of cars to trucks in simplest form?

Answer: \_\_\_\_\_

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## Answer Key

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|-----|-----------------------------------------------------------------------------------------------------------------|------------|
| 1.  | There are 8 boys and 20 girls. What is the ratio of boys to girls in simplest form?                             | <b>2:5</b> |
| 2.  | There are 9 red marbles and 15 blue marbles. What is the ratio of red marbles to blue marbles in simplest form? | <b>3:5</b> |
| 3.  | There are 6 apples and 12 oranges. What is the ratio of apples to oranges in simplest form?                     | <b>1:2</b> |
| 4.  | There are 24 cars and 32 trucks. What is the ratio of cars to trucks in simplest form?                          | <b>3:4</b> |
| 5.  | There are 15 apples and 20 oranges. What is the ratio of apples to oranges in simplest form?                    | <b>3:4</b> |
| 6.  | There are 5 boys and 20 girls. What is the ratio of boys to girls in simplest form?                             | <b>1:4</b> |
| 7.  | There are 18 cats and 30 dogs. What is the ratio of cats to dogs in simplest form?                              | <b>3:5</b> |
| 8.  | There are 12 cars and 18 trucks. What is the ratio of cars to trucks in simplest form?                          | <b>2:3</b> |
| 9.  | There are 14 cats and 21 dogs. What is the ratio of cats to dogs in simplest form?                              | <b>2:3</b> |
| 10. | There are 24 cars and 32 trucks. What is the ratio of cars to trucks in simplest form?                          | <b>3:4</b> |