

Ratios Basics

Grades 7-8 • Understanding and simplifying ratios

Name: _____

Date: _____

1. There are 3 red marbles and 9 blue marbles. What is the ratio of red marbles to blue marbles in simplest form?

Answer: _____

2. There are 4 apples and 16 oranges. What is the ratio of apples to oranges in simplest form?

Answer: _____

3. There are 14 red marbles and 35 blue marbles. What is the ratio of red marbles to blue marbles in simplest form?

Answer: _____

4. There are 6 cats and 12 dogs. What is the ratio of cats to dogs in simplest form?

Answer: _____

5. There are 24 cats and 32 dogs. What is the ratio of cats to dogs in simplest form?

Answer: _____

6. There are 21 apples and 28 oranges. What is the ratio of apples to oranges in simplest form?

Answer: _____

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

Answer: _____

8. There are 5 cats and 10 dogs. What is the ratio of cats to dogs in simplest form?

Answer: _____

9. There are 16 red marbles and 40 blue marbles. What is the ratio of red marbles to blue marbles in simplest form?

Answer: _____

10. There are 8 apples and 32 oranges. What is the ratio of apples to oranges in simplest form?

Answer: _____

Answer Key

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| 1. | There are 3 red marbles and 9 blue marbles. What is the ratio of red marbles to blue marbles in simplest form? | 1:3 |
| 2. | There are 4 apples and 16 oranges. What is the ratio of apples to oranges in simplest form? | 1:4 |
| 3. | There are 14 red marbles and 35 blue marbles. What is the ratio of red marbles to blue marbles in simplest form? | 2:5 |
| 4. | There are 6 cats and 12 dogs. What is the ratio of cats to dogs in simplest form? | 1:2 |
| 5. | There are 24 cats and 32 dogs. What is the ratio of cats to dogs in simplest form? | 3:4 |
| 6. | There are 21 apples and 28 oranges. What is the ratio of apples to oranges in simplest form? | 3:4 |
| 7. | There are 5 apples and 20 oranges. What is the ratio of apples to oranges in simplest form? | 1:4 |
| 8. | There are 5 cats and 10 dogs. What is the ratio of cats to dogs in simplest form? | 1:2 |
| 9. | There are 16 red marbles and 40 blue marbles. What is the ratio of red marbles to blue marbles in simplest form? | 2:5 |
| 10. | There are 8 apples and 32 oranges. What is the ratio of apples to oranges in simplest form? | 1:4 |