

Introduction to Ratio and Simple Proportion

Year 5 · Ratio & Proportion · y5-ratio-proportion

Name: _____

Date: _____

Class: _____

Score: ____ / ____

Instructions

Answer every question in Practice. Try the Challenge section once Practice is complete. 10 questions in total.

Practice

1. In a class there are 12 boys and 15 girls. Write the ratio of boys to girls.

2. Simplify the ratio 10:15.

3. A ratio of red to blue counters is 2:3. If the ratio is scaled up 3 times, how many red counters are there in total?

4. For every 3 cats there are 5 dogs. Write this as a ratio.

5. A recipe uses flour and sugar in the ratio 4:1. If 8 cups of flour are used, how many cups of sugar are needed?

6. In a ratio, the order matters — the first number matches the first quantity named. Write the ratio 4 red to 7 blue in the correct order (red:blue).

7. A ratio of boys to girls is 2:3. This means out of 5 total parts, 2 are boys. What fraction of the whole class are boys?

8. To simplify a ratio, divide both parts by their highest common factor. Simplify 16:20.

Challenge

1. The ratio of red to blue paint is 3:7. If 21 litres of blue paint are used, how many litres of red paint are used?

2. A ratio of 5:8 is simplified from a larger ratio 15:24. What number was each part divided by?
