

Simplify ratios

Year 7 · Ratio & Proportion · y7-ratio-simplify

Name: _____

Date: _____

Class: _____

Score: ____ / ____

Instructions

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

Practice

1. Simplify the ratio 12:18

2. Simplify the ratio 24:36

3. Simplify 15:25 by dividing both parts by 5.

4. A classroom has 18 boys and 24 girls. Write the ratio of boys to girls in its simplest form.

5. 3 pencils cost 90p. How much do 5 pencils cost? Give your answer in pence.

6. A recipe for 4 people needs 200 g of pasta. How many grams are needed for 10 people?

7. 6 books cost £18. First find the cost of 1 book, then find the cost of 4 books. Give your answer in pounds.

8. A car travels 120 km on 8 litres of fuel. How far does it travel on 5 litres?

Challenge

1. Which is the correct simplified form of 20:30: 2:3 or 4:6? Type the correct ratio only.

2. Paint is mixed in a ratio of red:white = 1:4. How many litres of white are needed to mix with 7 litres of red?
