JRA Tutors
Private tuition and small online Study Pods

Writing and Simplifying Ratio

Grade 3 topic · Foundation and Higher · Edexcel and AQA

How to use this pack
20 questions that get harder as you go. Foundation students: aim for Questions 1–15 (39 marks) and have a go at the rest. Higher students: complete all 20. Show your working on the lines and write your final answer on the answer line, then mark yourself with the answers at the back. Diagrams are not drawn accurately. Total: 57 marks.

Warm-up

1 Write the ratio 21 : 35 in its simplest form. **[1 mark]**

Answer _____

2 A bag has 9 red pens and 12 blue pens. Write the ratio of red to blue pens in its simplest form. **[2 marks]**

Answer _____

3 Write the ratio 54 : 72 in its simplest form. **[1 mark]**

Answer _____

4 Write the ratio 21 : 28 : 35 in its simplest form. **[2 marks]**

Answer _____

5 A class has 30 girls and 20 boys. Write the ratio of boys to girls in its simplest form. **[2 marks]**

Answer _____

Core

6 Write the ratio 500 ml : 3 litres in its simplest form. **[3 marks]**

Answer _____

7 Write the ratio 40 cm : 1.2 m in its simplest form. **[3 marks]**

Answer _____

8 Write the ratio 45 minutes : 2 hours in its simplest form. **[3 marks]**

Answer _____

9 Write the ratio 60p : £2.40 in its simplest form. **[3 marks]**

Answer _____

10 Write the ratio 250 g : 2 kg in its simplest form. **[3 marks]**

Answer _____

Stretch

11 Write the ratio 0.5 : 2 in its simplest form. **[3 marks]**

Answer _____

12 Write the ratio 1/2 : 3/4 in its simplest form. **[3 marks]**

Answer _____

13 Write the ratio 1.5 : 4.5 : 6 in its simplest form. **[3 marks]**

Answer _____

14 Write the ratio 2/3 : 5/6 in its simplest form. **[4 marks]**

Answer _____

15 Write the ratio 4 : 7 in the form 1 : n. Give n to 2 decimal places. **[3 marks]**

Answer _____

Challenge

16 Write the ratio 1 : 4 in the form n : 1. Give n to 2 decimal places. **[3 marks]**

Answer _____

17 Write 20% : 35% in its simplest form. **[3 marks]**

Answer _____

18 A drink is 40% juice and the rest water. Write the ratio of juice to water in its simplest form. **[4 marks]**

Answer _____

19 Write 1.2 m : 90 cm in its simplest form. **[4 marks]**

Answer _____

20 Write the ratio 2 3/4 : 5 1/2 in its simplest form. **[4 marks]**

Answer _____