Elizabeth Rose tutoring

MATHS 11+

Ratio Made Simple

Name: Date:

Watch the video first: search **Elizabeth Rose Tutoring** on YouTube – "Ratio Made Simple".

Remember

1. **A**dd the parts of the ratio.
2. **D**ivide the total by the number of parts to find one part.
3. **M**ultiply each part of the ratio by the value of one part.
4. **C**heck that your shares add up to the total.

Worked example

Mia and Sam share 40 sweets in the ratio 3 : 5.
A 3 + 5 = 8 parts **D** 40 ÷ 8 = 5 **M** Mia 3 × 5 = 15, Sam 5 × 5 = 25 **C** 15 + 25 = 40 ✓

Your turn

1. Share 20 in the ratio 1 : 3.

2. Share 35 in the ratio 2 : 5.

3. Share 48 in the ratio 5 : 3.

4. Share £60 in the ratio 1 : 2.

5 Share 72 in the ratio 4 : 5.

6 Share 90 in the ratio 2 : 3 : 5.

7 Amir and Beth share 56 stickers in the ratio 3 : 4. How many stickers does Beth get?

8 In a class, the ratio of boys to girls is 2 : 3. There are 30 children. How many girls are there?

Challenge

C1 A bag has red and blue counters in the ratio 3 : 7. There are 21 red counters. How many counters are there altogether?

C2 Ella and Finn share some money in the ratio 5 : 2. Ella gets £24 more than Finn. How much does Finn get?

Well done! Check your answers with a grown-up.

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Answers: Ratio Made Simple

For parents and tutors. You may want to print this page separately.

1	5 and 15
2	10 and 25
3	30 and 18
4	£20 and £40
5	32 and 40
6	18, 27 and 45
7	Beth gets 32 (56 ÷ 7 = 8, 4 × 8 = 32)
8	18 girls (30 ÷ 5 = 6, 3 × 6 = 18)
C1	70 counters (21 ÷ 3 = 7 per part, 10 parts × 7 = 70)
C2	£16 (the difference is 3 parts = £24, so 1 part = £8; Finn has 2 parts = £16)