

GCSE Mathematics

F

Sharing in a Given Ratio

Foundation Tier | Grades 4-5

Total Marks	Time	Questions
68	68 min	20

Instructions:

- Do not use a calculator when you see: 
- Answer all questions in the spaces provided.
- Show all your working - marks are awarded for method as well as final answers.
- Cross through any work you do not want to be marked.
- Check your answers if you have time at the end.

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Edexcel-style questions**Q1** 

Grade 4

Edexcel style

Share £60 in the ratio 2:3.

Answer

teachably

[3 marks]**Q2** 

Grade 4

Edexcel style

Share £120 in the ratio 1:2:3.

Answer

teachably

[3 marks]**Q3** 

Grade 5

Edexcel style

Tom and Ben share some sweets in the ratio 3:5. Tom receives 18 sweets. How many sweets does Ben receive?

Answer

teachably

[3 marks]

Q4

Grade 5

Edexcel style

Share £280 in the ratio 3:4. Find the difference between the two shares.

Answer

teachably

[4 marks]**Q5**

Grade 5

Edexcel style

A fruit drink is made from apple juice, orange juice and water in the ratio 2:3:5. If 600 ml of the drink is made, how much juice (apple and orange combined) is in the drink?

Answer

teachably

[4 marks]

AQA-style questions**Q6** 

Grade 4

AQA style

Share £84 in the ratio 3:4.

Answer

teachably

[3 marks]**Q7** 

Grade 4

AQA style

Share £180 in the ratio 2:3:4.

Answer

teachably

[3 marks]**Q8** 

Grade 5

AQA style

Amy and Zoe share some money in the ratio 2:7. Amy receives £16. What is the total amount shared?

Answer

teachably

[3 marks]

Q9

Grade 5

AQA style

Share £450 in the ratio 4:5. Find the difference between the two shares.

Answer

teachably

[4 marks]**Q10**

Grade 5

AQA style

A recipe requires flour, sugar and butter in the ratio 5:3:2. A baker uses 150 g of butter. What is the total mass of the mixture?

Answer

teachably

[4 marks]

OCR-style questions**Q11** 

Grade 4

OCR style

Share £96 in the ratio 5:7.

Answer

teachably

[3 marks]**Q12** 

Grade 4

OCR style

Share £140 in the ratio 2:3:5.

Answer

teachably

[3 marks]**Q13** 

Grade 5

OCR style

A and B share an amount of money in the ratio 4:5. B receives £45. How much does A receive?

Answer

teachably

[3 marks]

Q14

Grade 5

OCR style

Share £360 in the ratio 5:7. Find the difference between the two shares.

Answer

teachably

[4 marks]**Q15**

Grade 5

OCR style

The angles in a triangle are in the ratio 2:3:4. Find the size of the largest angle.

Answer

teachably

[4 marks]

Teachably-style questions**Q16** 

Grade 4

Teachably style

Share £110 in the ratio 4:7.

Answer

teachably

[3 marks]**Q17** 

Grade 4

Teachably style

Share £240 in the ratio 3:4:5.

Answer

teachably

[3 marks]**Q18** 

Grade 5

Teachably style

Paint is mixed in the ratio blue : white = 3:8. If 24 litres of white paint is used, how much blue paint is needed?

Answer

teachably

[3 marks]

Q19

Grade 5

Teachably style

Share £560 in the ratio 3:5. Find the difference between the two shares.

Answer

teachably

[4 marks]**Q20**

Grade 5

Teachably style

A charity donation is shared between three charities in the ratio 3:4:5. The charity receiving the smallest share gets £900. How much is the total donation?

Answer

teachably

[4 marks]**END OF PAPER****Want help from an expert maths tutor?**

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