

GCSE Mathematics

F/H

Factorising Quadratics

Grades 5-7

Total Marks	Time	Questions
48	48 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 5

Edexcel style

Factorise $x^2 + 7x + 12$.

Answer

teachably

[2 marks]**Q2** 

Grade 5

Edexcel style

Factorise $x^2 - 7x + 12$.

Answer

teachably

[2 marks]**Q3** 

Grade 5

Edexcel style

Factorise $x^2 + 2x - 15$.

Answer

teachably

[2 marks]

Q4

Grade 6

Edexcel style

Factorise $2x^2 + 7x + 3$.

Answer

teachably

[3 marks]**Q5**

Grade 7

Edexcel style

Factorise fully $2x^2 + 8x + 6$.

Answer

teachably

[3 marks]

AQA-style questions**Q6** 

Grade 5

AQA style

Factorise $x^2 + 9x + 20$.

Answer _____

teachably

[2 marks]**Q7** 

Grade 5

AQA style

Factorise $x^2 - 9x + 20$.

Answer _____

teachably

[2 marks]**Q8** 

Grade 5

AQA style

Factorise $x^2 - 3x - 10$.

Answer _____

teachably

[2 marks]

Q9 

Grade 6

AQA style

Factorise $3x^2 + 11x + 6$.

Answer

teachably

[3 marks]**Q10** 

Grade 7

AQA style

Factorise fully $3x^2 + 21x + 30$.

Answer

teachably

[3 marks]

OCR-style questions**Q11** 

Grade 5

OCR style

Factorise $x^2 + 8x + 15$.

Answer

teachably

[2 marks]**Q12** 

Grade 5

OCR style

Factorise $x^2 - 8x + 15$.

Answer

teachably

[2 marks]**Q13** 

Grade 5

OCR style

Factorise $x^2 + 4x - 21$.

Answer

teachably

[2 marks]

Q14

Grade 6

OCR style

Factorise $2x^2 + 5x - 3$.

Answer

teachably

[3 marks]**Q15**

Grade 7

OCR style

Factorise fully $4x^2 + 12x - 16$.

Answer

teachably

[3 marks]

Teachably-style questions**Q16** 

Grade 5

Teachably style

Factorise $x^2 + 10x + 21$.

Answer

teachably

[2 marks]**Q17** 

Grade 5

Teachably style

Factorise $x^2 - 10x + 21$.

Answer

teachably

[2 marks]**Q18** 

Grade 5

Teachably style

Factorise $x^2 - x - 12$.

Answer

teachably

[2 marks]

Q19 

Grade 6

Teachably style

Factorise $5x^2 + 13x - 6$.

Answer

teachably

[3 marks]**Q20** 

Grade 7

Teachably style

Factorise fully $2x^2 - 10x + 12$.

Answer

teachably

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

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