

GCSE Mathematics

F/H

Linear Inequalities

Grades 4-6

Total Marks	Time	Questions
42	42 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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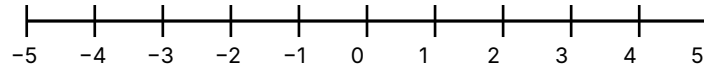
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Edexcel-style questions**Q1** 

Grade 4

Edexcel style

Draw a number line to show the inequality $x > 2$.



Answer _____

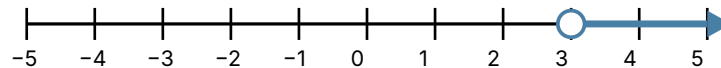
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[2 marks]**Q2** 

Grade 4

Edexcel style

Write down the inequality shown on the number line.



Answer _____

teachably

[1 mark]

Q3

Grade 5

Edexcel style

Solve $2x + 3 > 11$.

Answer

teachably

[2 marks]**Q4**

Grade 5

Edexcel style

List all the integer values of x that satisfy $-2 < x \leq 3$.

Answer

teachably

[2 marks]**Q5**

Grade 6

Edexcel style

Solve $-2x + 5 > 13$.

Answer

teachably

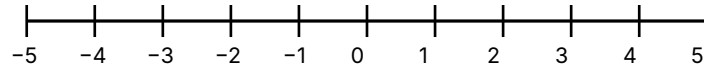
[3 marks]

AQA-style questions**Q6** 

Grade 4

AQA style

Draw a number line to show the inequality $x \leq -3$.



Answer _____

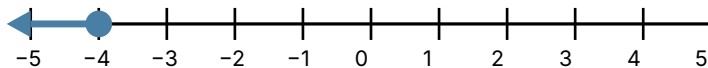
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[2 marks]**Q7** 

Grade 4

AQA style

Write down the inequality shown on the number line.



Answer _____

teachably

[1 mark]

Q8

Grade 5

AQA style

Solve $3y - 5 \leq 10$.

Answer

teachably

[2 marks]**Q9**

Grade 5

AQA style

List all the integer values of y that satisfy $-3 \leq y < 2$.

Answer

teachably

[2 marks]**Q10**

Grade 6

AQA style

Solve $-3y - 4 \leq 11$.

Answer

teachably

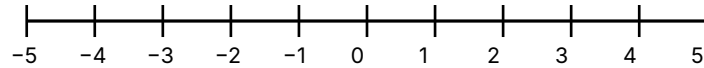
[3 marks]

OCR-style questions**Q11** 

Grade 4

OCR style

Draw a number line to show the inequality $-1 < x \leq 4$.



Answer _____

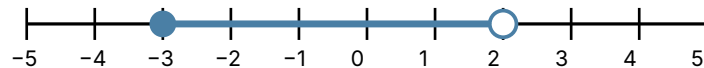
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[2 marks]**Q12** 

Grade 4

OCR style

Write down the inequality shown on the number line.



Answer _____

teachably

[2 marks]

Q13

Grade 5

OCR style

Solve $4a + 7 < 23$.

Answer _____

teachably

[2 marks]**Q14**

Grade 5

OCR style

List all the integer values of a that satisfy $0 < a \leq 5$.

Answer _____

teachably

[2 marks]**Q15**

Grade 6

OCR style

Solve $20 - 4a > 8$.

Answer _____

teachably

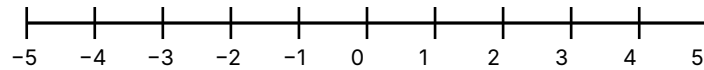
[3 marks]

Teachably-style questions**Q16** 

Grade 4

Teachably style

Draw a number line to show the inequality $x \geq 0$.



Answer _____

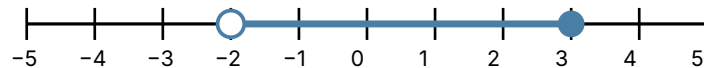
teachably

[2 marks]**Q17** 

Grade 4

Teachably style

Write down the inequality shown on the number line.



Answer _____

teachably

[2 marks]

Q18 

Grade 5

Teachably style

Solve $5p - 2 \geq 18$.

Answer _____

teachably

[2 marks]**Q19** 

Grade 5

Teachably style

List all the integer values of p that satisfy $-4 \leq p < 0$.

Answer _____

teachably

[2 marks]**Q20** 

Grade 6

Teachably style

Solve $12 - 3p \leq 3$.

Answer _____

teachably

[3 marks]**END OF PAPER**

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