

GCSE Mathematics

F

Angles in Parallel Lines

Foundation | Grades 4-5

Total Marks	Time	Questions
51	51 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

The diagram shows two parallel lines crossed by a straight line. Find the size of angle a .

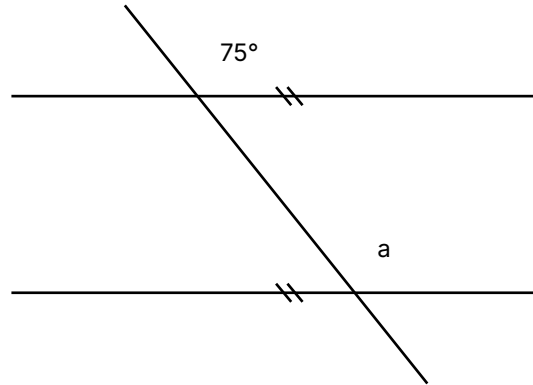


Diagram NOT accurately drawn

Answer _____

Q2

Grade 4

Edexcel style

The diagram shows two parallel lines crossed by a straight line. Find the size of angle a.

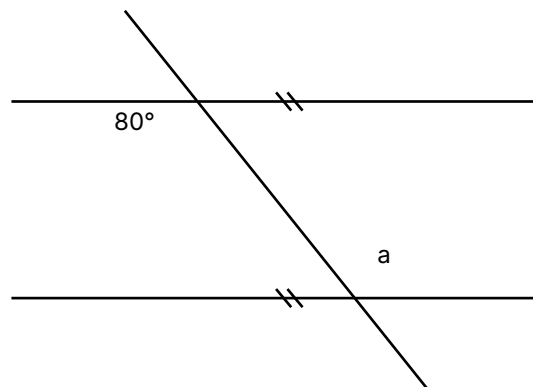


Diagram NOT accurately drawn

Answer _____

Q3

Grade 5

Edexcel style

The diagram shows two parallel lines crossed by a straight line. Find the size of angle a.

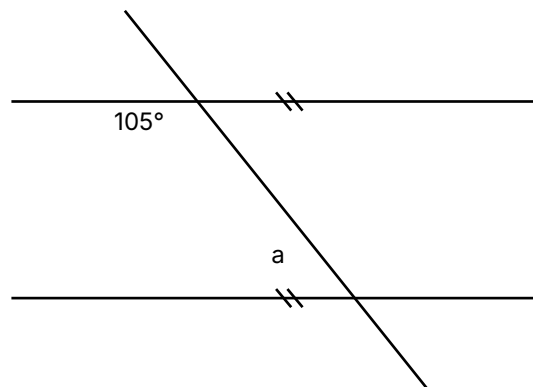


Diagram NOT accurately drawn

Answer _____

Q4

Grade 5

Edexcel style

The diagram shows two parallel lines crossed by a straight line. Find the values of x and y .

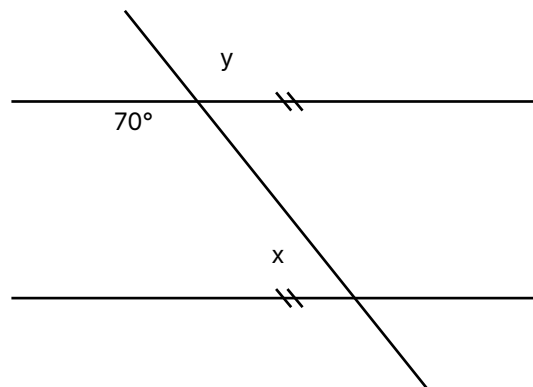


Diagram NOT accurately drawn

Answer _____

Q5

Grade 5

Edexcel style

The diagram shows two parallel lines joined by a bent path through point M. Find the size of angle x.

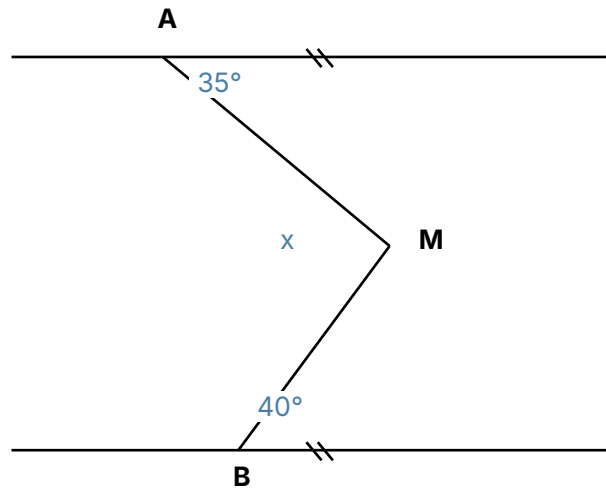


Diagram NOT accurately drawn

Answer _____

AQA-style questions**Q6** 

Grade 4

AQA style

The diagram shows two parallel lines crossed by a straight line. Find the size of angle b.

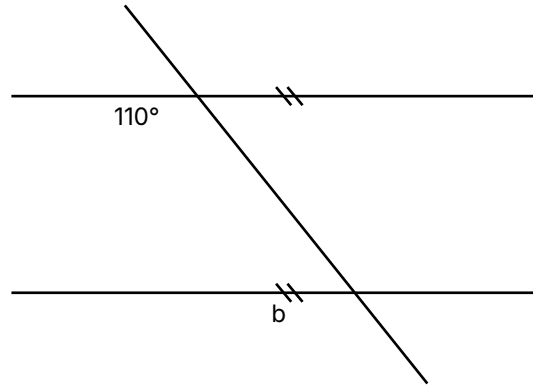


Diagram NOT accurately drawn

Answer _____

Q7

Grade 4

AQA style

The diagram shows two parallel lines crossed by a straight line. Find the size of angle b.

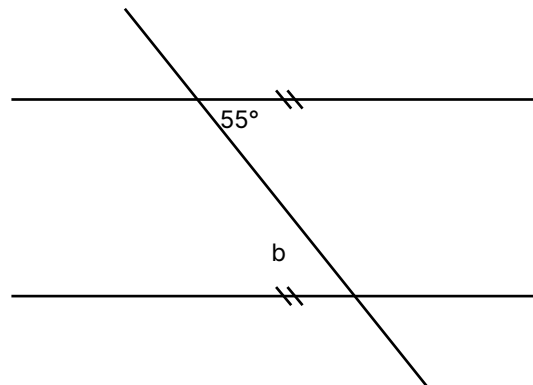


Diagram NOT accurately drawn

Answer _____

Q8

Grade 5

AQA style

The diagram shows two parallel lines crossed by a straight line. Find the size of angle b.

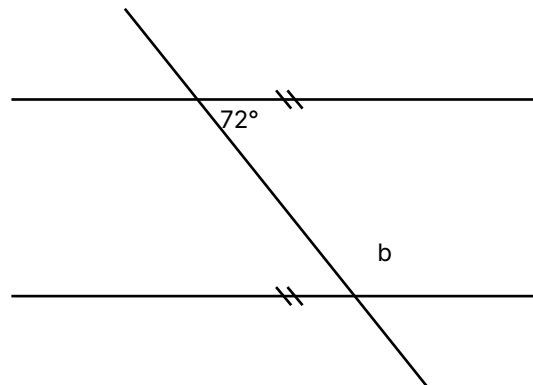


Diagram NOT accurately drawn

Answer _____

Q9

Grade 5

AQA style

The diagram shows two parallel lines crossed by a straight line. Find the values of x and y .

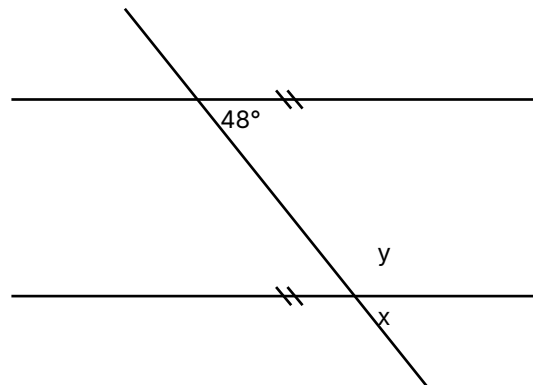


Diagram NOT accurately drawn

Answer _____

Q10

Grade 5

AQA style

The diagram shows two parallel lines crossed by a straight line. Find the value of x .

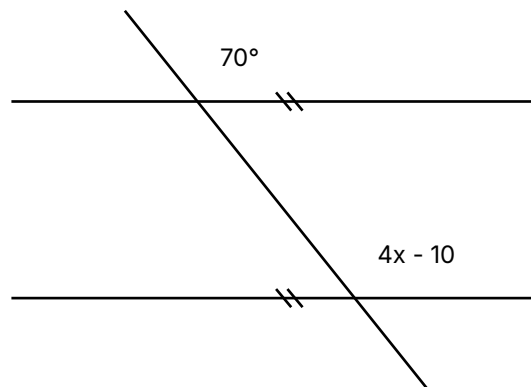


Diagram NOT accurately drawn

Answer _____

OCR-style questions

Q11 

Grade 4

OCR style

The diagram shows two parallel lines crossed by a straight line. Find the size of angle c .

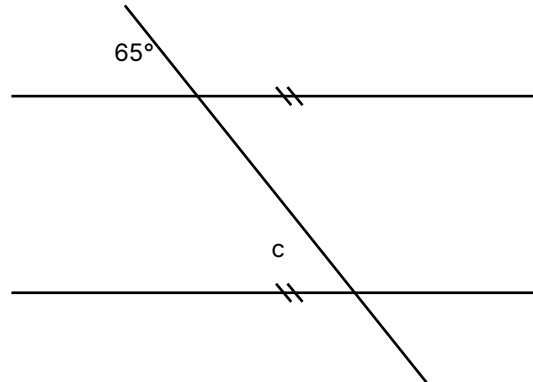


Diagram NOT accurately drawn

Answer _____

Q12

Grade 4

OCR style

The diagram shows two parallel lines crossed by a straight line. Find the size of angle c .

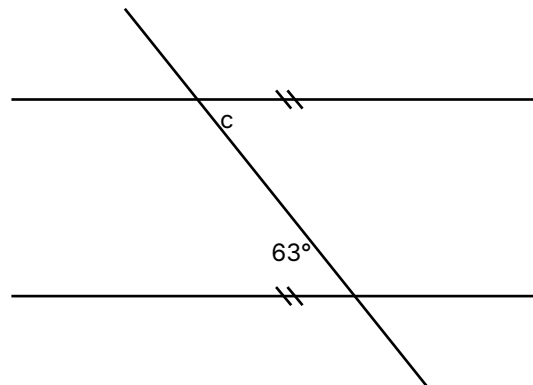


Diagram NOT accurately drawn

Answer _____

Q13

Grade 5

OCR style

The diagram shows two parallel lines crossed by a straight line. Find the size of angle c.

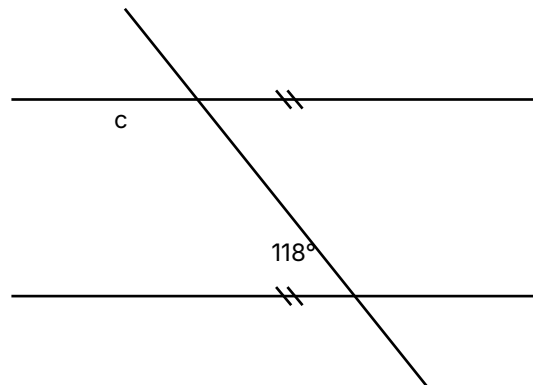


Diagram NOT accurately drawn

Answer _____

Q14

Grade 5

OCR style

The diagram shows two parallel lines crossed by a straight line. Find the values of x and y .

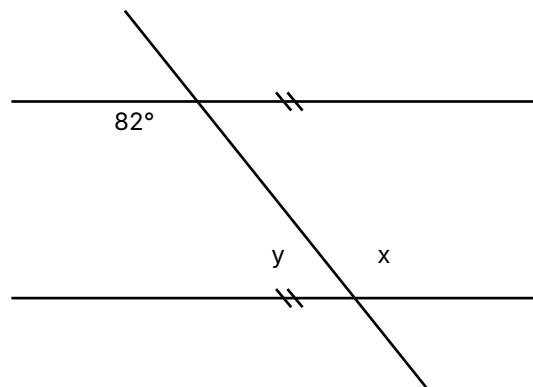


Diagram NOT accurately drawn

Answer _____

Q15

Grade 5

OCR style

The diagram shows two straight lines crossed by a transversal. Determine whether the two lines are parallel. Give a reason for your answer.

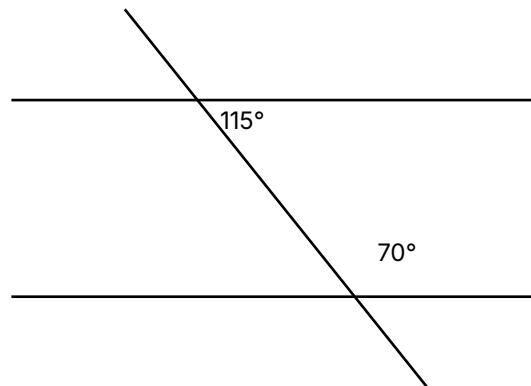


Diagram NOT accurately drawn

Answer _____

Teachably-style questions**Q16** 

Grade 4

Teachably style

The diagram shows two parallel lines crossed by a straight line. Find the size of angle d.

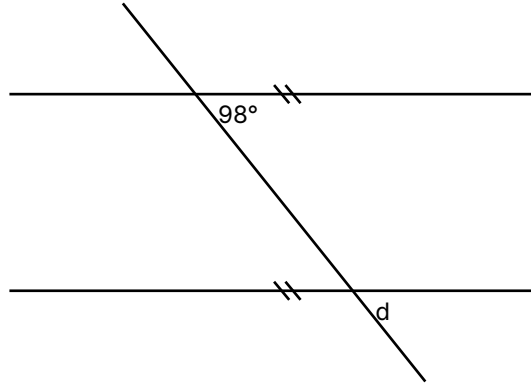


Diagram NOT accurately drawn

Answer _____

teachably

[2 marks]

Q17

Grade 4

Teachably style

The diagram shows two parallel lines crossed by a straight line. Find the size of angle d.

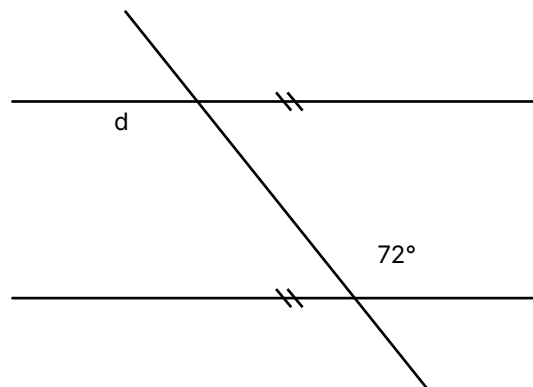


Diagram NOT accurately drawn

Answer _____

teachably**[2 marks]**

Q18

Grade 5

Teachably style

The diagram shows two parallel lines crossed by a straight line. Find the size of angle d.

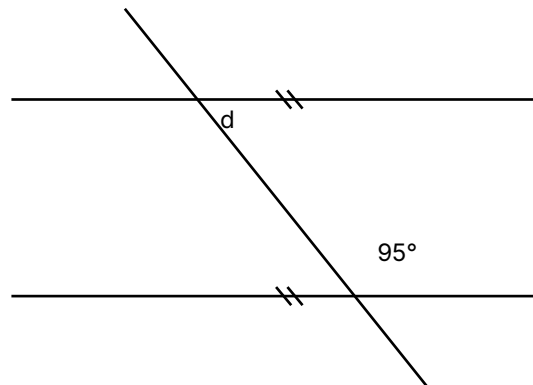


Diagram NOT accurately drawn

Answer _____

Q19

Grade 5

Teachably style

The diagram shows two parallel lines crossed by a straight line. Find the values of x and y .

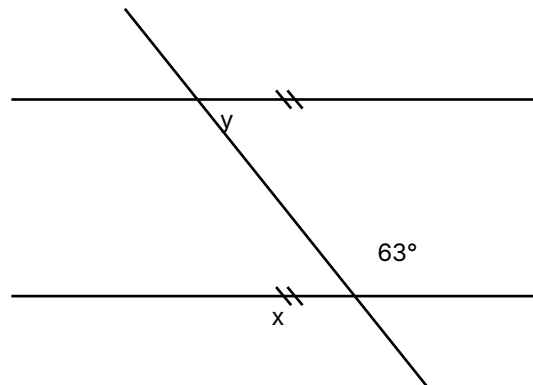


Diagram NOT accurately drawn

Answer _____

Q20

Grade 5

Teachably style

The diagram shows three parallel lines crossed by a straight line. Find the value of y .

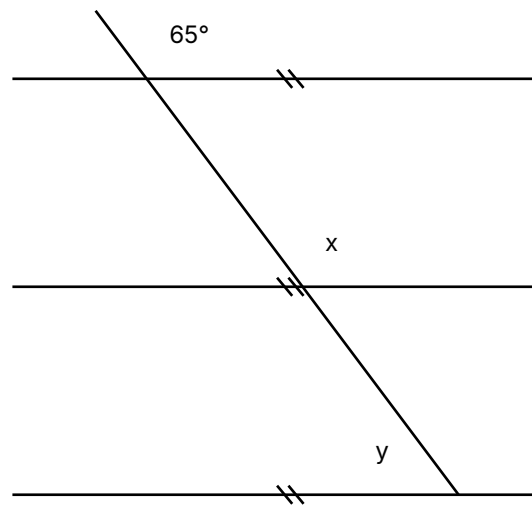


Diagram NOT accurately drawn

Answer _____

teachably

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

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