

GCSE Mathematics

F

Angle Facts & Rules

Foundation | Grades 1-3

Total Marks	Time	Questions
58	58 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 2

Edexcel style

The diagram shows a straight line. Find the size of angle x .

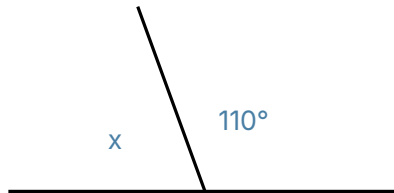


Diagram NOT accurately drawn

Answer _____

Q2

Grade 2

Edexcel style

The diagram shows three angles meeting at a point. Find the size of angle x .

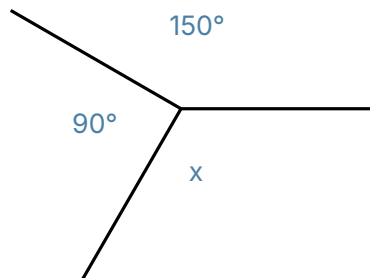


Diagram NOT accurately drawn

Answer _____

Q3

Grade 3

Edexcel style

The diagram shows two straight lines crossing at a point. Find the size of angle x .

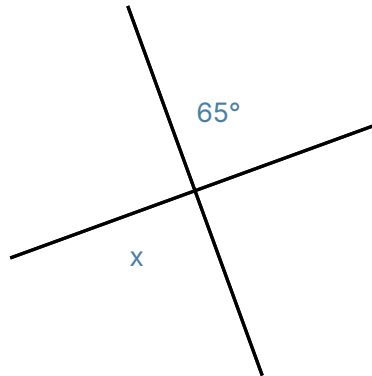


Diagram NOT accurately drawn

Answer _____

Q4

Grade 3

Edexcel style

Find the size of angle x in the triangle shown.

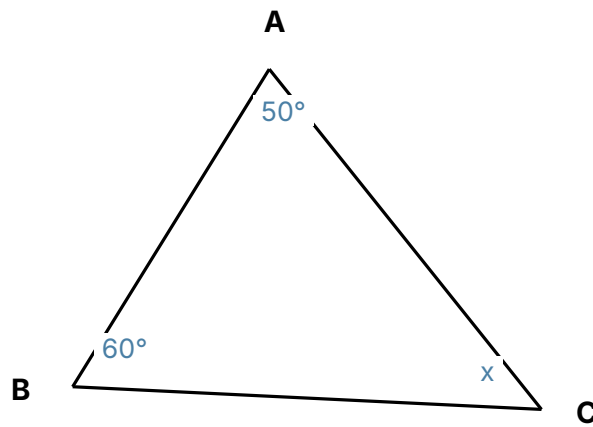


Diagram NOT accurately drawn

Answer _____

Q5

Grade 3

Edexcel style

Find the size of angle x in the quadrilateral shown.

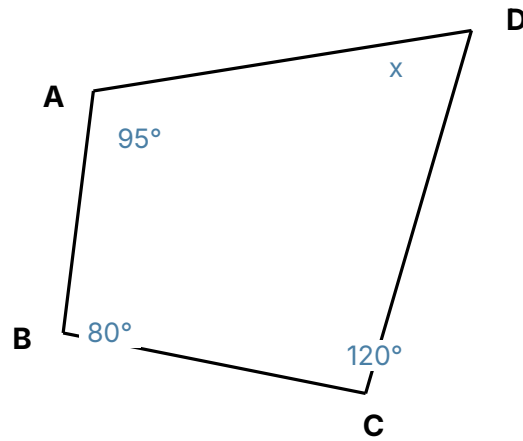


Diagram NOT accurately drawn

Answer _____

AQA-style questions**Q6** 

Grade 2

AQA style

The diagram shows a straight line. Find the size of angle x .

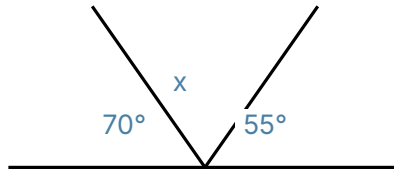


Diagram NOT accurately drawn

Answer _____

Q7

Grade 2

AQA style

The diagram shows four angles meeting at a point. Find the size of angle x.

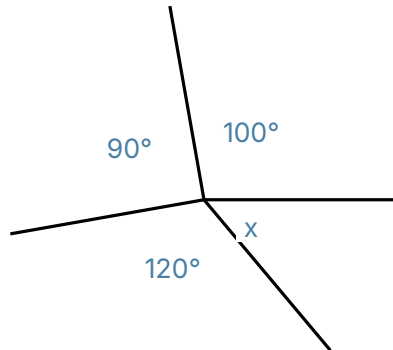


Diagram NOT accurately drawn

Answer _____

Q8

Grade 3

AQA style

The diagram shows two straight lines crossing at a point. Find the size of angle x .

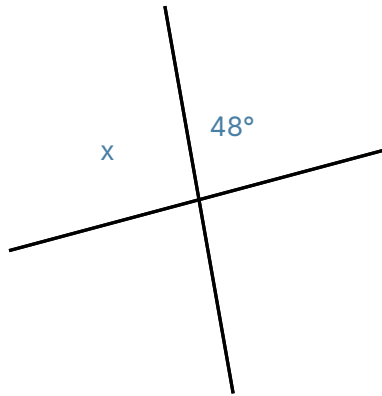


Diagram NOT accurately drawn

Answer _____

Q9

Grade 3

AQA style

Triangle ABC is isosceles, with $AB = AC$. Angle A = 40° . Find the size of angle B.

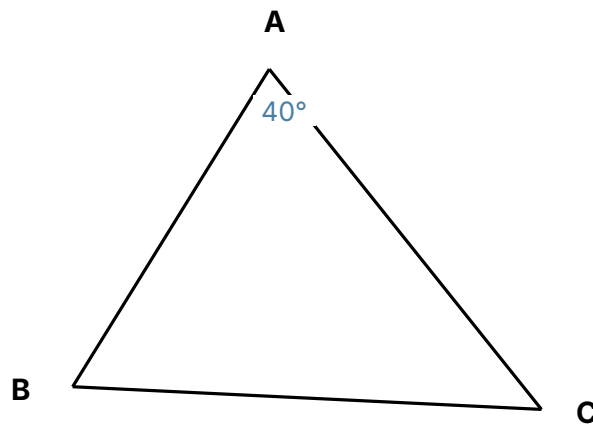


Diagram NOT accurately drawn

Answer _____

Q10

Grade 3

AQA style

The quadrilateral shown has a right angle at A. Find the size of angle x.

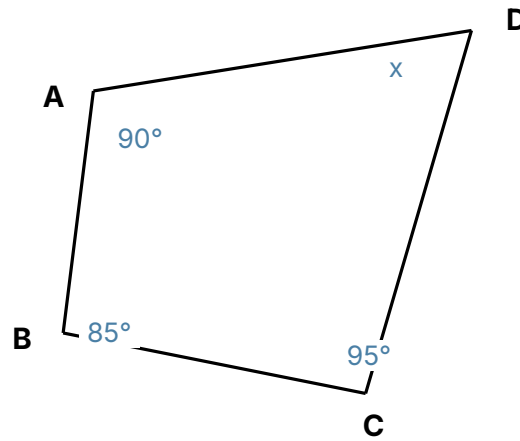


Diagram NOT accurately drawn

Answer _____

OCR-style questions**Q11** 

Grade 2

OCR style

The diagram shows a straight line. Find the size of angle x .

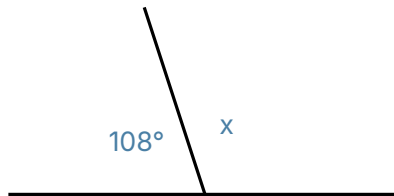


Diagram NOT accurately drawn

Answer _____

Q12

Grade 2

OCR style

The diagram shows three angles meeting at a point. Find the size of angle x .

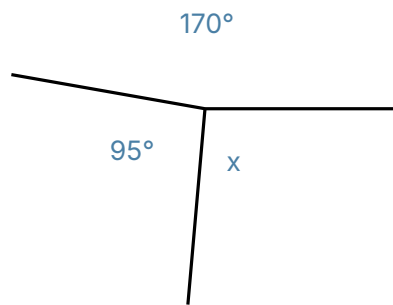


Diagram NOT accurately drawn

Answer _____

Q13

Grade 3

OCR style

The diagram shows two straight lines crossing at a point. Find the size of angle x .

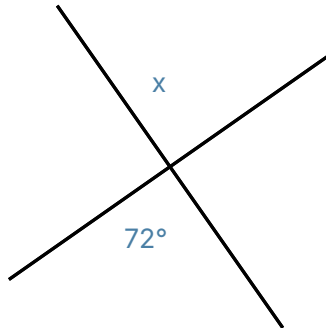


Diagram NOT accurately drawn

Answer _____

Q14

Grade 3

OCR style

Find the size of angle x in the triangle shown.

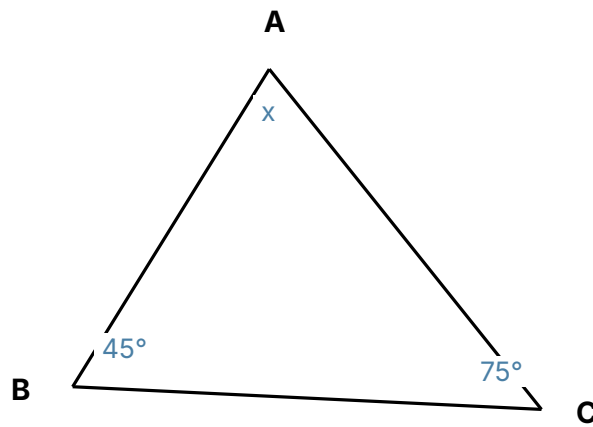


Diagram NOT accurately drawn

Answer _____

teachably

[3 marks]**Q15**

Grade 3

OCR style

In a triangle, two of the angles are 80° and 60° . The third angle of the triangle is also one of three angles meeting at a point, together with an angle of 150° and angle y . Find the size of angle y .

Answer _____

teachably

[3 marks]

Teachably-style questions**Q16** 

Grade 2

Teachably style

The diagram shows a straight line. Find the size of angle x .

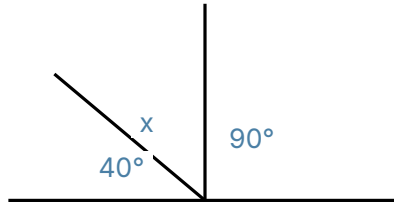


Diagram NOT accurately drawn

Answer _____

teachably

[3 marks]

Q17

Grade 2

Teachably style

The diagram shows four angles meeting at a point. Find the size of angle x.

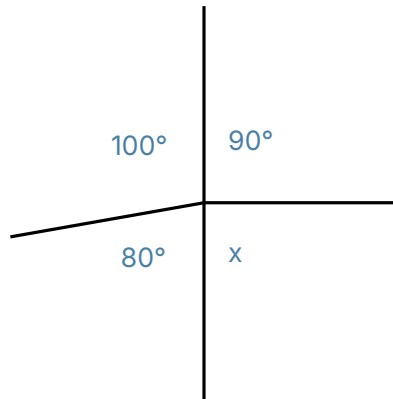


Diagram NOT accurately drawn

Answer _____

teachably

[3 marks]

Q18

Grade 3

Teachably style

The diagram shows two straight lines crossing at a point. Find the size of angle x .

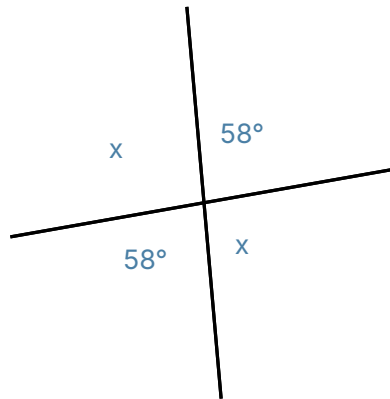


Diagram NOT accurately drawn

Answer _____

teachably**[3 marks]**

Q19

Grade 3

Teachably style

Triangle ABC is isosceles, with $AB = AC$. Angle B = 65° and angle C = 65° . Find the size of angle A.

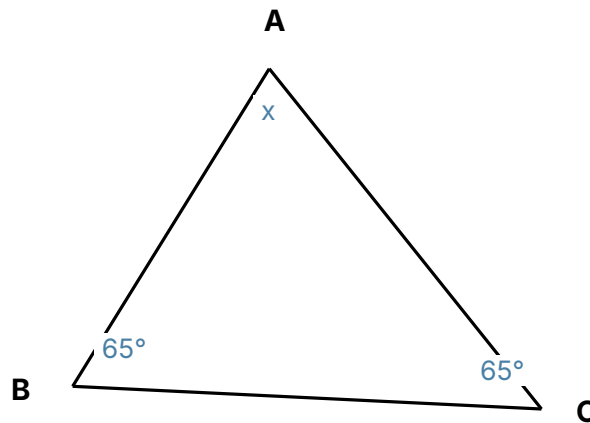


Diagram NOT accurately drawn

Answer _____

teachably

[3 marks]**Q20**

Grade 3

Teachably style

In triangle ABC, angle A = 65° and angle B = 55° . Angle x is vertically opposite to angle C. Find the size of angle x.

Answer _____

teachably

[3 marks]

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