ENGLAND GCSE MATHS OCR FOUNDATION · UNIT 9 · 10 QUESTIONS

Geometry, Angles, Shapes, Constructions and Similarity — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **A castle is 20 m tall. Its model is 40 cm tall. The scale factor from the model to the real castle is**

- A 40
- B 50
- C 100
- D 60

Understand It with Pulse | Flag a mistake

2 A kite has angles 90, 90, 80 and one more. The fourth angle is

- A 100
- B 110
- C 80
- D 280

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3 The sum of the interior angles of a polygon with 10 sides is

- A 1260°
- B 1440°
- C 1620°
- D 1800°

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4 **A point is translated by the vector binom53. The point moves**

- A 3 up and 5 right
- B 5 right and 3 up
- C 5 left and 3 up
- D 5 right and 3 down

Understand It with Pulse | Flag a mistake

5 **A ladder leans against a wall, making an angle of 75 degrees with the ground. The angle between the ladder and the wall is**

- A 75
- B 25
- C 105
- D 15

Understand It with Pulse | Flag a mistake

6 **Two parallel lines are cut by a transversal. One angle is 121°. Its corresponding angle is**

- A 90°
- B 121°
- C 59°
- D 141°

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7 **Two straight lines cross. One of the angles formed is 69°. The angle vertically opposite it is**

- A 69°
- B 90°
- C 291°
- D 111°

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8 **Each exterior angle of a regular polygon with 10 sides is**

A 72°

B 36°

C 144°

D 32°

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9 **A Ferris wheel has 20 equally spaced gondolas. The angle between neighbouring gondolas is**

A 23

B 13

C 20

D 18

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10 **Three angles meet at a point. Two of them are 116° and 119°. The third angle is**

A 125°

B 145°

C 235°

D 64°

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	B	**5.**	D	**9.**	D
2.	A	**6.**	B	**10.**	A
3.	B	**7.**	A		
4.	B	**8.**	B		

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