2.26 Geometry and Measures Depth: 10-minute Pack

GL ASSESSMENT GL · Calculators not allowed · about 10 minutes

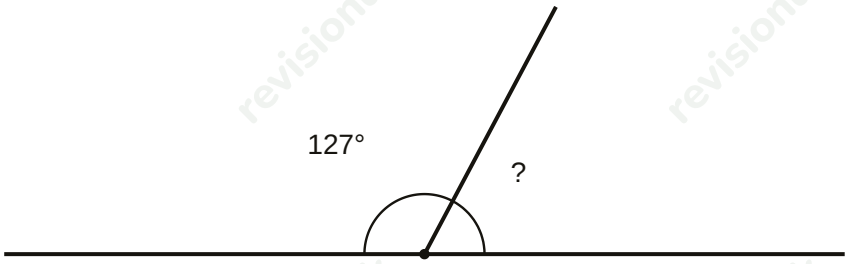
Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Two angles lie on a straight line. One angle is 127 degrees. What is the size of the other angle?

Diagram NOT accurately drawn



(not to scale)

- ☐ A) 63 degrees
- ☐ B) 43 degrees
- ☐ C) 53 degrees
- ☐ D) 73 degrees

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2 Which of these describes an angle of 152 degrees?

- ☐ A) Right angle
- ☐ B) Reflex
- ☐ C) Acute
- ☐ D) Obtuse

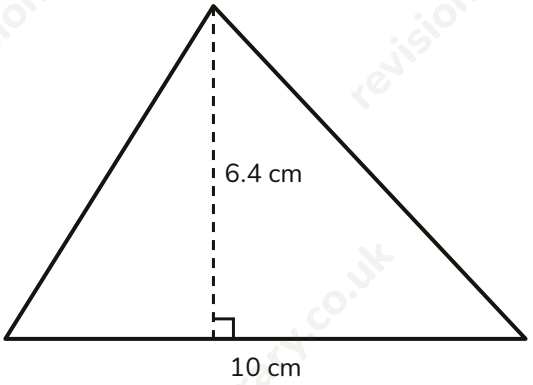
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3 How many lines of symmetry does an isosceles triangle have (assuming it is not equilateral)?

- ☐ A) 0
- ☐ B) 1
- ☐ C) 2
- ☐ D) 3

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4 A triangle has a base of 10 cm and a perpendicular height of 6.4 cm. Calculate the area of the triangle.



(2)

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5 Triangle A has vertices at (1, 2), (4, 2) and (1, 5). Triangle A is reflected in the y-axis to give triangle B.

(a) Write down the coordinates of the image of (1, 2) after this reflection. **(1)**

.....

(b) Write down the coordinates of the image of (4, 2) after this reflection. **(1)**

.....

(c) Write down the coordinates of the image of (1, 5) after this reflection. **(1)**

.....

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6 Convert each of these lengths.

(a) Convert 3.6 metres into centimetres. **(1)**

(b) Convert 850 millimetres into centimetres. **(1)**

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7 A protractor shows the angle pointer resting exactly halfway between the 40 degree mark and the 60 degree mark on its scale. What angle is being measured?

- ☐ A) 45 degrees
- ☐ B) 50 degrees
- ☐ C) 55 degrees
- ☐ D) 60 degrees

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Mark scheme · 2.26 Geometry and Measures Depth: 10-minute Pack

A correct answer earns full marks unless the question asks for working, a method, proof or explanation.

Question 1

C cao **B1**

Answer: C) 53 degrees

Question 2

D cao **B1**

Answer: D) Obtuse

Question 3

B cao **B1**

Answer: B) 1

Question 4

0.5 x 10 x 6.4 seen **M1**

32 cm² cao **A1**

Answer: 32 cm^2

Question 5

(a) (-1, 2) cao **B1**

(a) Answer: (-1, 2)

(b) (-4, 2) cao **B1**

(b) Answer: (-4, 2)

(c) (-1, 5) cao **B1**

(c) Answer: (-1, 5)

Question 6

(a) 360 cm cao **B1**

(a) Answer: 360 cm

(b) 85 cm cao **B1**

(b) Answer: 85 cm

Question 7

B cao **B1**

Answer: B) 50 degrees

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