# 2.26-2 Geometry and Measures Depth Set 2: 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 149 degrees. What is the size of the other angle?

Diagram NOT accurately drawn




- ☐ A) 21 degrees
- ☐ B) 31 degrees
- ☐ C) 41 degrees
- ☐ D) 51 degrees

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**2** An angle is bigger than a straight line but smaller than a full turn. What type of angle is this?

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

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**3** A triangular prism has two identical triangular end faces and three rectangular side faces.

**(a)** State the number of faces of the triangular prism. **(1)**

**(b)** State the number of edges of the triangular prism. **(1)**

**(c)** State the number of vertices of the triangular prism. **(1)**


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**4** Triangle G has vertices at (2, 3), (2, 6) and (5, 3). Triangle G is reflected in the x-axis to give triangle H.

**(a)** Write down the coordinates of the image of (2, 3) after this reflection. **(1)**

.....

**(b)** Write down the coordinates of the image of (2, 6) after this reflection. **(1)**

.....

**(c)** Write down the coordinates of the image of (5, 3) after this reflection. **(1)**

.....

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**5** Convert each of these lengths.

**(a)** Convert 4.2 kilometres into metres. **(1)**

**(b)** Convert 560 centimetres into metres. **(1)**

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**6** A protractor shows the angle pointer resting exactly one quarter of the way from the 100 degree mark to the 120 degree mark on its scale. What angle is being measured?

**(1)**


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# Mark scheme · 2.26-2 Geometry and Measures Depth Set 2: 10-minute Pack

## Question 1

B cao **B1**

**Answer: B) 31 degrees**

## Question 2

C cao **B1**

**Answer: C) Reflex**

## Question 3

(a) 5 cao **B1**

**(a) Answer: 5**

(b) 9 cao **B1**

**(b) Answer: 9**

(c) 6 cao **B1**

**(c) Answer: 6**

## Question 4

(a) (2, -3) cao **B1**

**(a) Answer: (2, -3)**

(b) (2, -6) cao **B1**

**(b) Answer: (2, -6)**

(c) (5, -3) cao **B1**

**(c) Answer: (5, -3)**

## Question 5

(a) 4200 m cao **B1**

**(a) Answer: 4200 m**

(b) 5.6 m cao **B1**

**(b) Answer: 5.6 m**

## Question 6

105 degrees cao **B1**

**Answer: 105 degrees**


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