

Stage 5 Cambridge Primary Mathematics Progression Practice

Wednesday 19 August 2026

Paper Focus: 5Gg.07 — Estimating, Comparing and Classifying Angles (Acute, Right, Obtuse, Reflex)

TWM Focus: TWM.05 (Characterising) & TWM.06 (Classifying)

Time Allowed: 30 Minutes | **Total Marks:** 20 Marks

Question 1 [1 Mark]

Give the correct geometric name for the angles indicated below:

Angle	Name
[Arc = 45°]	_____ angle
[Arc = 135°] •	_____ angle
[Arc = 90°]	_____ angle
[Arc = 220°]	_____ angle

Question 2 [1 Mark]

Here are four angle estimates:

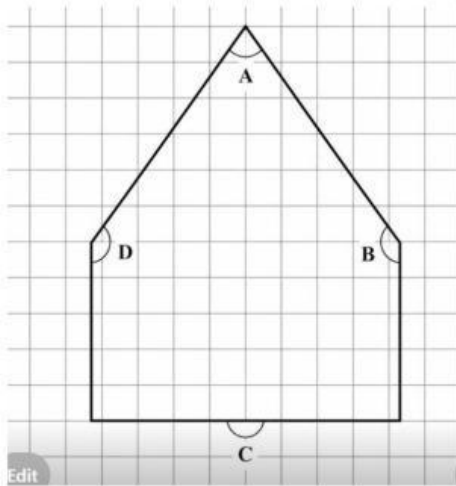
15° 95° 185° 290°

Write down the estimate that represents a **reflex angle**.

Answer: _____ ° [1]

Question 3 [2 Marks]

Look at the shape drawn on the grid below. Four interior angles are marked **A**, **B**, **C**, and **D**.



Complete the table by writing **acute**, **right**, **straight line**, **obtuse**, or **reflex** for each marked angle.

Angle	Classification
A	_____ [1]
B	_____
C	_____ [1]
D	_____

Question 4 (TWM.06 Classifying) [2 Marks]

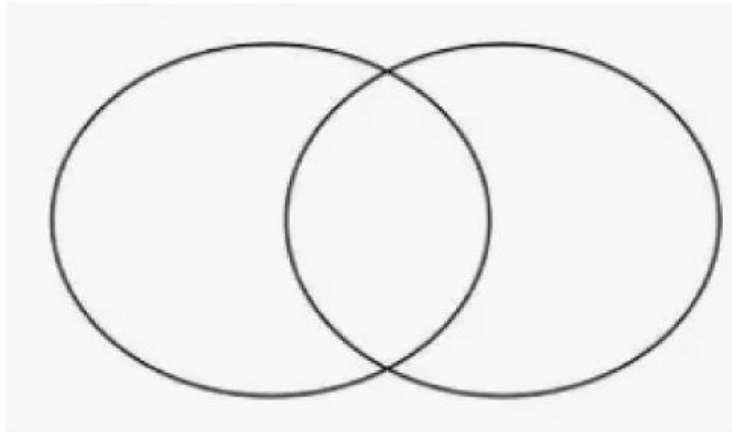
Here are six angle measurements:

32° 190° 90° 145° 275° 88°

Sort the six measurements into the Venn diagram below.

Angles less than 90°

Angles greater than 180°



(Note: Write any remaining angle measurements outside the circles.) [2]

Question 5 (TWM.05 Characterising) [2 Marks]

Hassan draws an angle. He says:

"My angle is greater than a straight line but less than a full turn."

(a) What type of angle has Hassan drawn? [1]

Answer: _____

(b) Give one possible estimate in degrees ($^{\circ}$) for Hassan's angle. [1]

Answer: _____ $^{\circ}$

Question 6 [2 Marks]

Here are three drawn angles marked with arcs:

Diagram 1

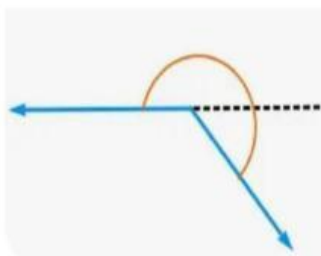


Diagram 2

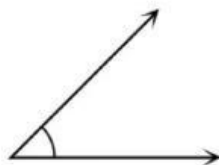
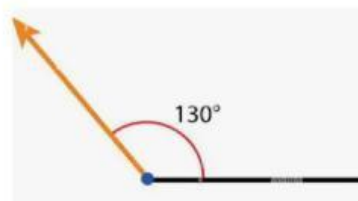


Diagram 3



Write **1**, **2**, or **3** to answer each question:

(a) Which diagram shows an **acute** angle? [1]

Answer: Diagram _____

(b) Which diagram shows a **reflex** angle? [1]

Answer: Diagram _____

Question 7 [2 Marks]

A clock face shows the time of **3:00**.

(a) What type of angle is formed between the hour hand and the minute hand at **3:00**? [1]

Answer: _____

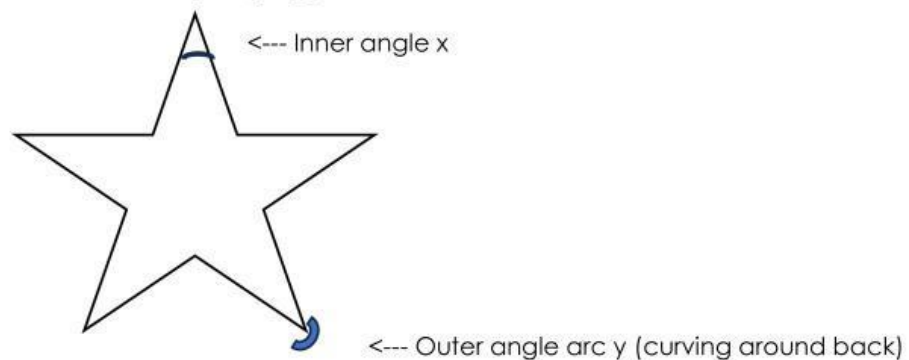
(b) The clock hands move to show **3:30**.

Tick (✓) the box that describes the smaller angle between the hour hand and minute hand at **3:30**. [1]

Acute ☐ Right ☐ Obtuse ☐ Reflex ☐

Question 8 (Misconception Check) [2 Marks]

Mia looks at a corner of a star-shaped polygon.



Mia claims: "Angle x is acute, so the angle at this vertex must always be less than 90° ."

Explain why Mia is incorrect by describing the property of the **outer angle** y . [2]

Question 9 [3 Marks]

Put these five angle measurements in order of size, starting with the **smallest**.

210° 89° 175° 12° 91°

Smallest _____ _____ _____ _____ _____ Largest [2]

Write down the geometric classification for the **largest** angle in this list. [1]

Answer: _____

Question 10 (TWM.05 Characterising) [3 Marks]

Four statements about angles are shown below.

Write **True** or **False** next to each statement.

Statement	True / False
(a) An obtuse angle is larger than 90° but smaller than 180° .	_____ [1]
(b) A reflex angle can measure 170° .	_____ [1]
(c) Joining two right angles together makes a straight line (180°).	_____ [1]