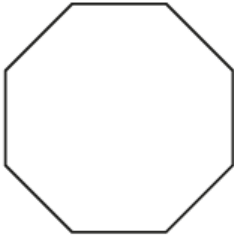


Basic Geometry – 2022 GCSE Mathematics Foundation

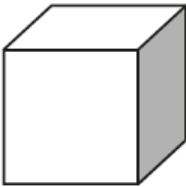
1. **June/2022/Paper_J560/01/No.1**

(a) Write down the mathematical name of this polygon.



(a) [1]

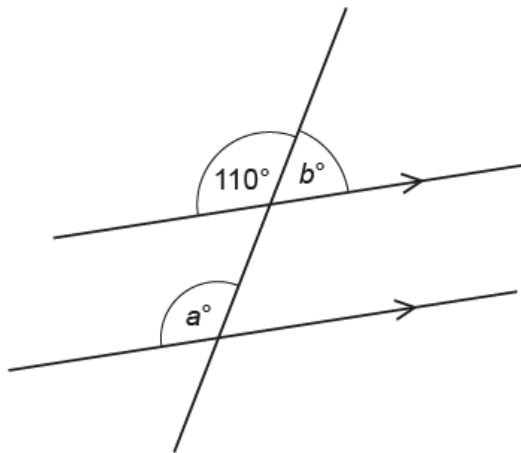
(b) How many edges does a cube have?



(b) [1]

2. June/2022/Paper_J560/01/No.3

The diagram shows a pair of parallel lines.



Not to scale

(a) Write down the value of a .

(a) $a = \dots\dots\dots$ [1]

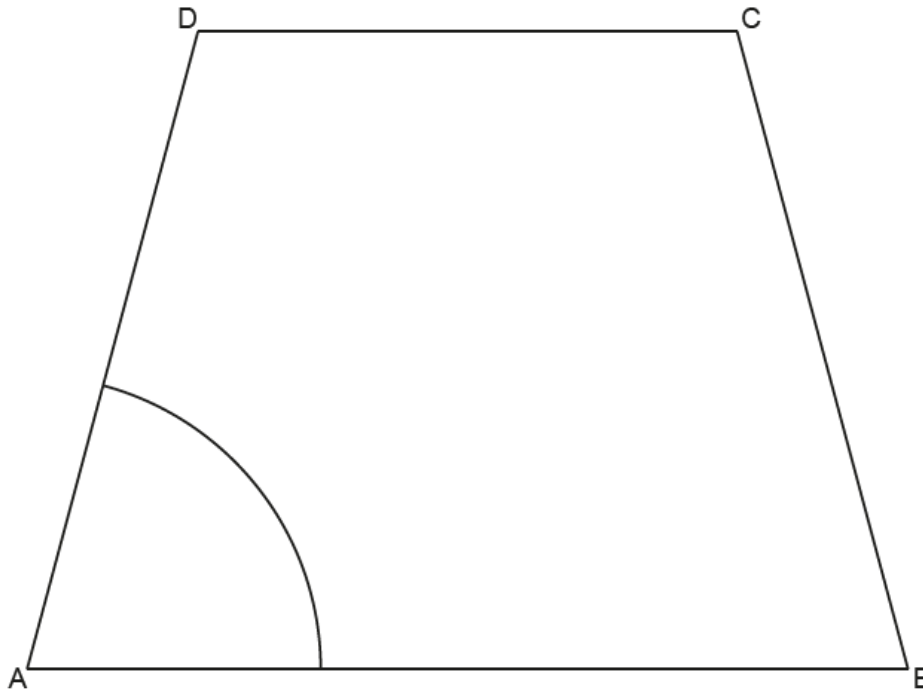
(b) Write down the value of b .

(b) $b = \dots\dots\dots$ [1]

3. June/2022/Paper_J560/02/No.22

The diagram shows the scale drawing of a sandpit, ABCD.
It also shows the arc of all points in the sandpit that are 80 cm from corner A.

Scale: 1 cm represents 20 cm



A game is played by throwing a ball into the sandpit.
Points may be scored when the ball lands in the sandpit.

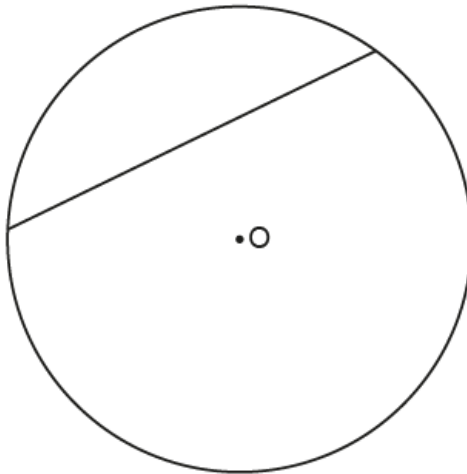
- 1 point if the ball lands within 80 cm of corner A,
and
- 1 point if the ball is closer to side AB than side AD,
and
- 1 point if the ball is closer to corner A than corner B.

By completing the construction, find and shade the regions where 2 points can be scored.
Show all your construction lines.

[6]

4. June/2022/Paper_J560/03/No.4

The diagram shows a circle, centre O, and a line that meets the circle twice.



(a) On the diagram, draw a diameter.

[1]

(b) Write down the mathematical name of the line shown on the diagram.

(b) [1]