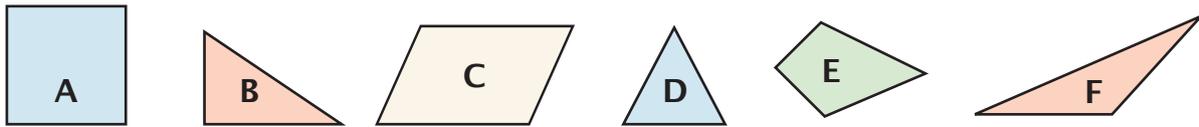


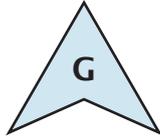
Shape & Space Review

1. Tara and Quentin had these shapes and they were asked to sort the shapes into two groups.

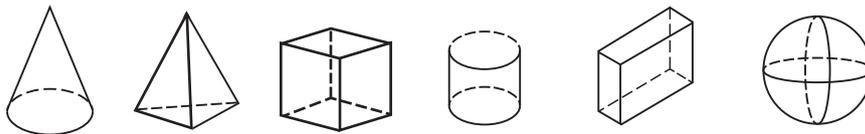


Tara chose shapes **A**, **C** and **E**. She gave Quentin shapes **B**, **D** and **F**.

(a) Who should have this shape, Tara or Quentin? (b) Give a reason.



2. (a) Sort the shapes below into two groups and label them Group A and Group B.



(b) Give a reason why you put your shapes into groups 'A' and 'B'.

(c) Write down the correct mathematical name for each of the six shapes.

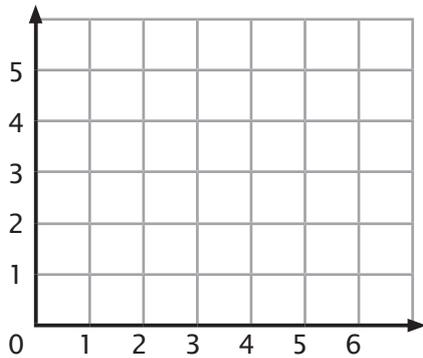
3. Listed below are various items that can be measured.

Copy the list and insert next to each item the most suitable unit of measurement.

- (a) The fuel tank of an aircraft.
- (b) The mass of a packet of crisps.
- (c) The height of your bedroom.
- (d) The distance from London to Edinburgh.
- (e) The amount of cough mixture on a teaspoon.
- (f) The width of a postage stamp.

Units	
1.	centimetres
2.	millilitres
3.	grams
4.	kilometres
5.	litres
6.	metres

4. Draw a grid like this.

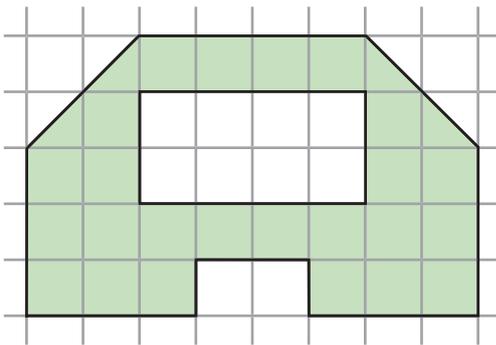


(a) Plot these points on the grid and join them up in the order given:

(2, 2), (3, 3), (3, 4), (2, 5), (5, 5), (4, 4), (4, 3), (5, 2), (2, 2)

(b) How many lines of symmetry does the shape have?

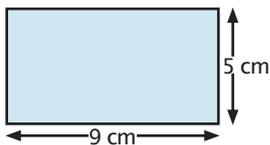
5. The diagram shows a logo for the 'Ace' sports company. It represents the letter 'A' in Ace.



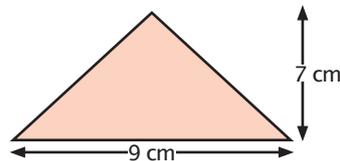
If each square is one square centimetre, work out the area of the logo in centimetre squares.

6. Calculate the area of each shape.

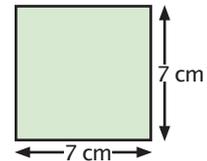
(a)



(b)



(c)



7. On squared paper, draw these shapes:

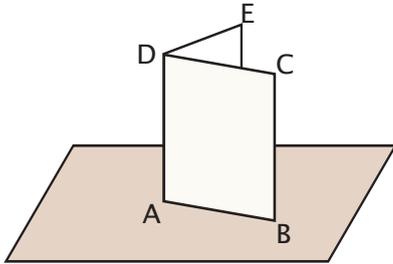
(a) a quadrilateral with just one right angle

(b) an isosceles triangle

(c) a quadrilateral with no right angles and no parallel sides.

8. A piece of A4 size paper measures 300 mm by 210 mm.
- A money spider starts at a corner and decides to walk around all sides of the paper. How far will the spider walk in millimetres?
 - Change your answer in part (a) into centimetres.
 - Has the spider travelled more or less than one metre?

9. A birthday card rests on a horizontal table.

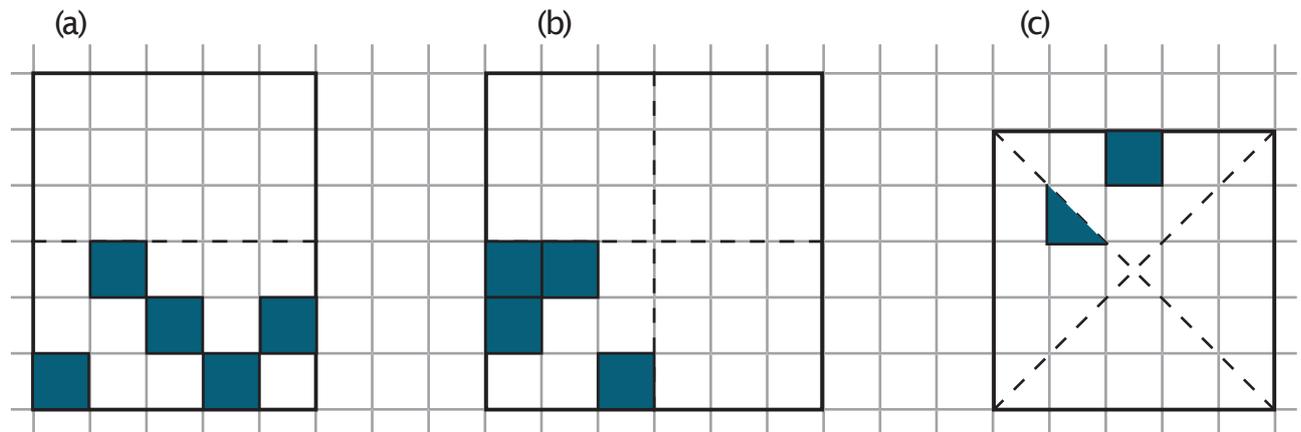


Copy these sentences and fill the space with one of the words:

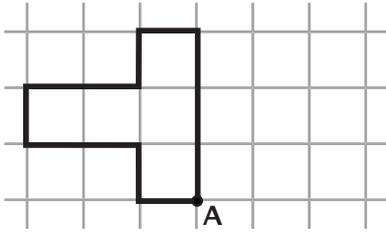
'vertical' 'horizontal' 'parallel' 'perpendicular'

- The edge BC is _____.
- The edge AB is _____ to edge AD.
- Edges DE and DC are _____.

10. In each of the following diagrams, mirror lines are shown as broken lines. Copy each diagram and complete the reflections.

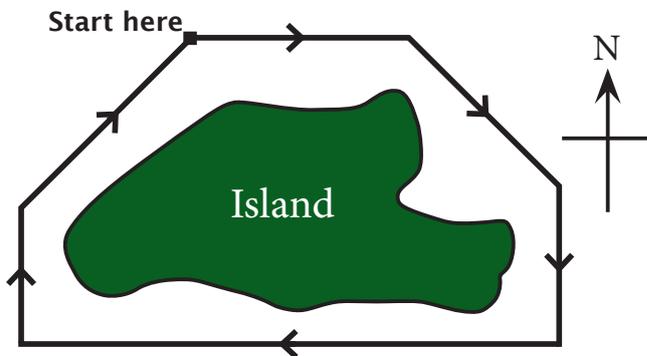


11. Draw the shape on squared paper.



Draw the new position after it is turned anti-clockwise through one right angle around the point A.

12.

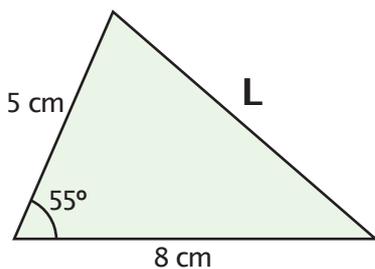


A ship is sailing around an island. Copy and complete the missing compass directions of the ship's journey.

East then then then then then then

13. On squared paper draw a four-sided shape which has one pair of parallel sides.

14. Draw, as accurately as you can, the triangle shown.
Measure the length marked **L**.



KS2 Shape and Space Answers

1. (a) Tara (b) Tara collects quadrilaterals

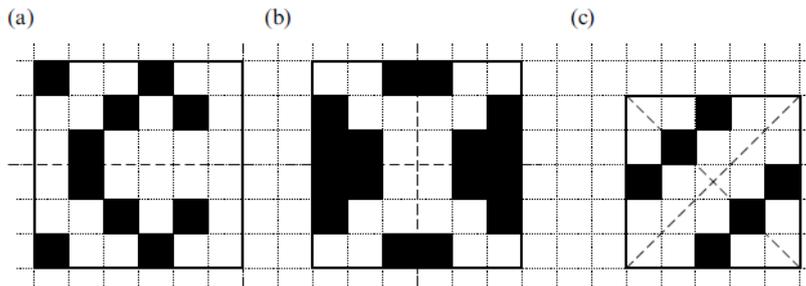
2. (c) 1 = cone 2 = tetrahedron 3 = cube 4 = cylinder 5 = cuboid 6 = sphere

3. (a) litres (b) grams (c) metres (d) kilometres (e) millilitres (f) centimetres

4. (b) 2 5. 26 cm^2 6. (a) 45 cm^2 (b) $31\frac{1}{2} \text{ cm}^2$ (c) 49 cm^2

8. (a) 1020 mm (b) 102 cm (c) more 9. (a) vertical (b) perpendicular (c) horizontal

10.



12. SE, S, W, N, NE

13. Any trapezium

14. 6.6 cm