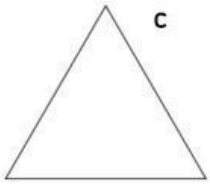
Unit 8 - Shapes and Symmetry

1 Draw the lines of symmetry on each of these shapes.

a 

b 

c 

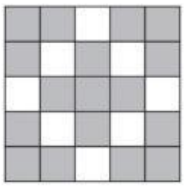
2 Write the order of rotational symmetry for each of the shapes in Question 1.

a _____ b _____ c _____

3 For this pattern, write:

a the number of lines of symmetry _____

b the order of rotational symmetry _____



4 a Sketch a regular pentagon.

b Complete the properties to characterise a regular pentagon.

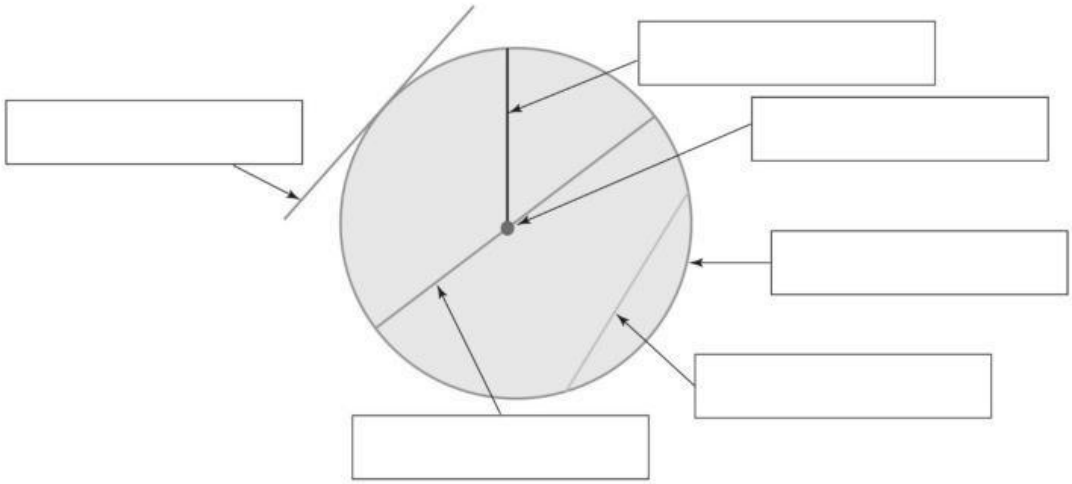
A regular pentagon has:

- _____ sides the same length
- _____ lines of symmetry

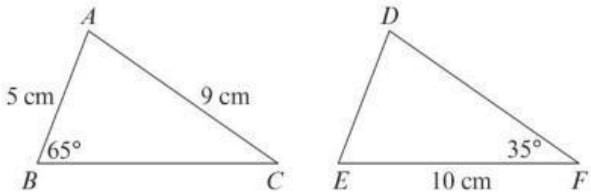
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- _____ angles the same size
- rotational symmetry of order _____.

5 Write the names of the parts of the circle in the boxes.



6 Triangle *ABC* is congruent to triangle *DEF*.



a Write the length of the side:

i *BC*_____

ii *DE*_____

iii *DF*_____

b Write the size of $\angle ACB$. _____

c Work out the size of $\angle BAC$. _____

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d Complete these sentences.

i Side AB corresponds to side _____.

ii Side BC corresponds to side _____.

iii Side AC corresponds to side _____.

iv $\angle ABC$ corresponds to $\angle$_____.

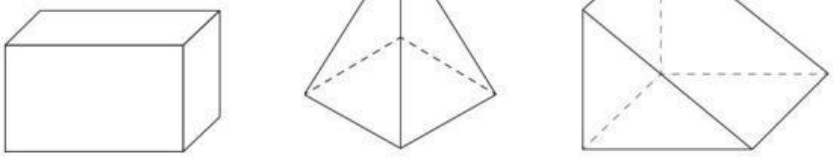
v $\angle BAC$ corresponds to $\angle$_____.

vi $\angle ACB$ corresponds to $\angle$_____.

7 Identify and describe the properties that characterise these 3D shapes.

Write your answers in the table.

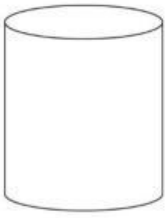
a b c



	a	b	c
Name of shape			
Number of faces			
Number of edges			
Number of vertices			

8 Draw the top view, front view and side view of this cylinder.

top view front view side view



LIVEWORKSHEETS