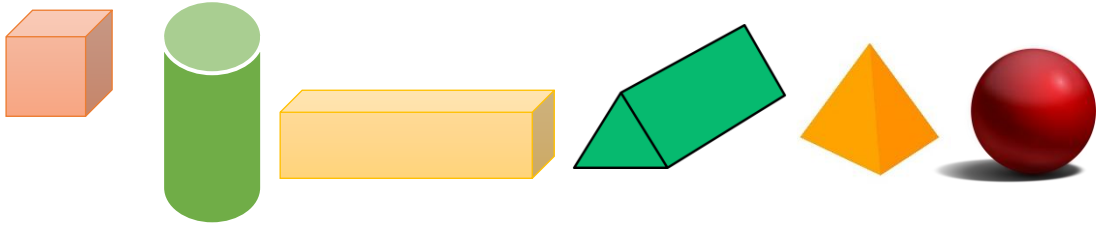


Phase 7 Properties of 2D Shape and 3D Objects

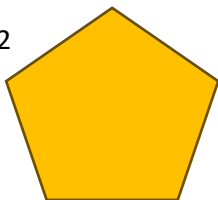
Phase 7 Progression Overview	Assessment Note	Marks
Understand the common language used to describe, and the relationships between, 2D shapes and 3D objects.	Question 1	10
Discuss the similarities and differences of properties of regular and irregular polygons	Question 2	9
Create skeletons of simple 3D objects	Observed in classwork	n/a
Deconstruct and reconstruct 3D objects to explore their nets	Observed in classwork	n/a
Explore the place of 2D shapes and 3D objects in the environment and the arts.	Observed in classwork	n/a
Sort, describe and model regular and irregular polygons	Question 2	n/a
Match 3D objects to its net	Question 3	5
Identify 2D shapes and 3D objects in the real world	Observed in classwork	n/a
Use visualisation of shape and space as a strategy for solving problems	Observed in classwork	n/a
Analyse and describe regular and irregular polygons using mathematical vocabulary	Question 4	12
Create nets of simple 3D objects	Observed in classwork	n/a
Create skeletons of a variety of 3D objects	Observed in classwork	n/a
Explore and discuss where and why 2D shapes and 3D objects are used in the environment.	Observed in classwork	n/a
TOTAL MARKS		/36

	Question	Mark
1	Understand the common language used to describe, and the relationships between, 2D shapes and 3D objects. a.) What is the difference between a 2D shape and a 3D object? (1 mark) b.) Name these 3D objects (6 marks)  c.) Can you describe what these words mean? (3 marks) i.) face ii) edge iii) vertex/vertices	10
2	Discuss the similarities and differences of properties of regular and irregular polygons a.) Explain the difference between regular and irregular (1 mark)	

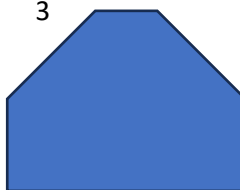
1



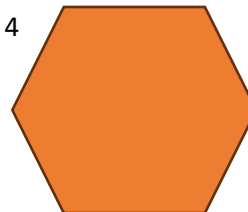
2



3



4



b.) Name each shape and decide if it is irregular or regular: (each shape, 2 marks- shape name + regular/irregular)

1.

2.

3.

4.

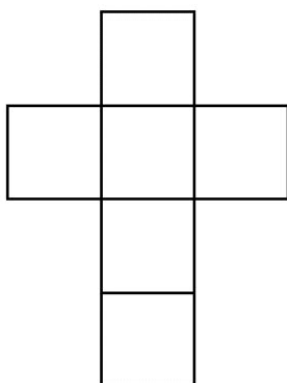
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3

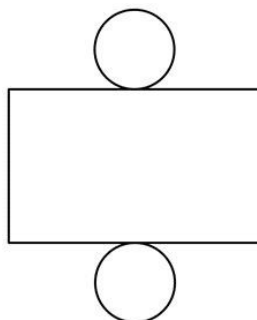
Match 3D objects to its net

a.) Match these 3D objects to the nets:

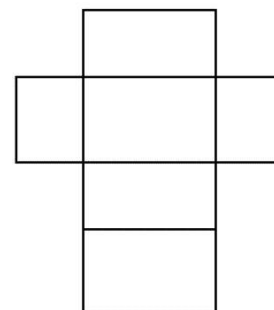
i.)



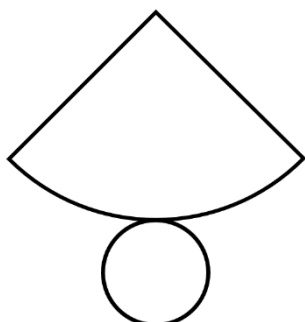
iii.)



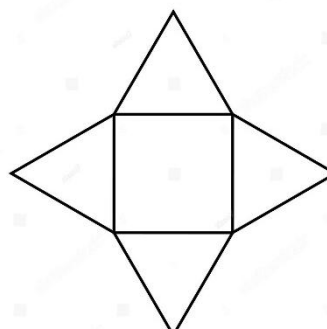
v.)



ii.)



iv.)



5

4

Analyse and describe regular and irregular polygons using mathematical vocabulary

a.) Look at these shapes

Name each shape and describe it in terms of its properties (regular/irregular, angles) (2 marks for each shape).

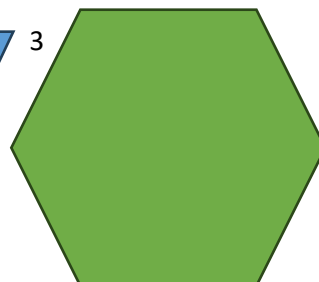
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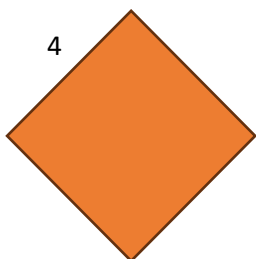
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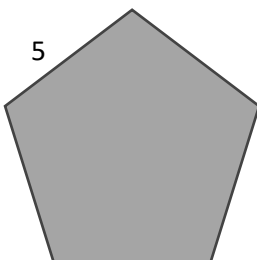
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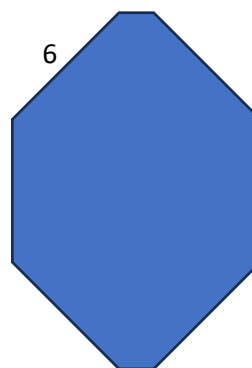
4



5



6



1.

2.

3.

4.

5.

6.