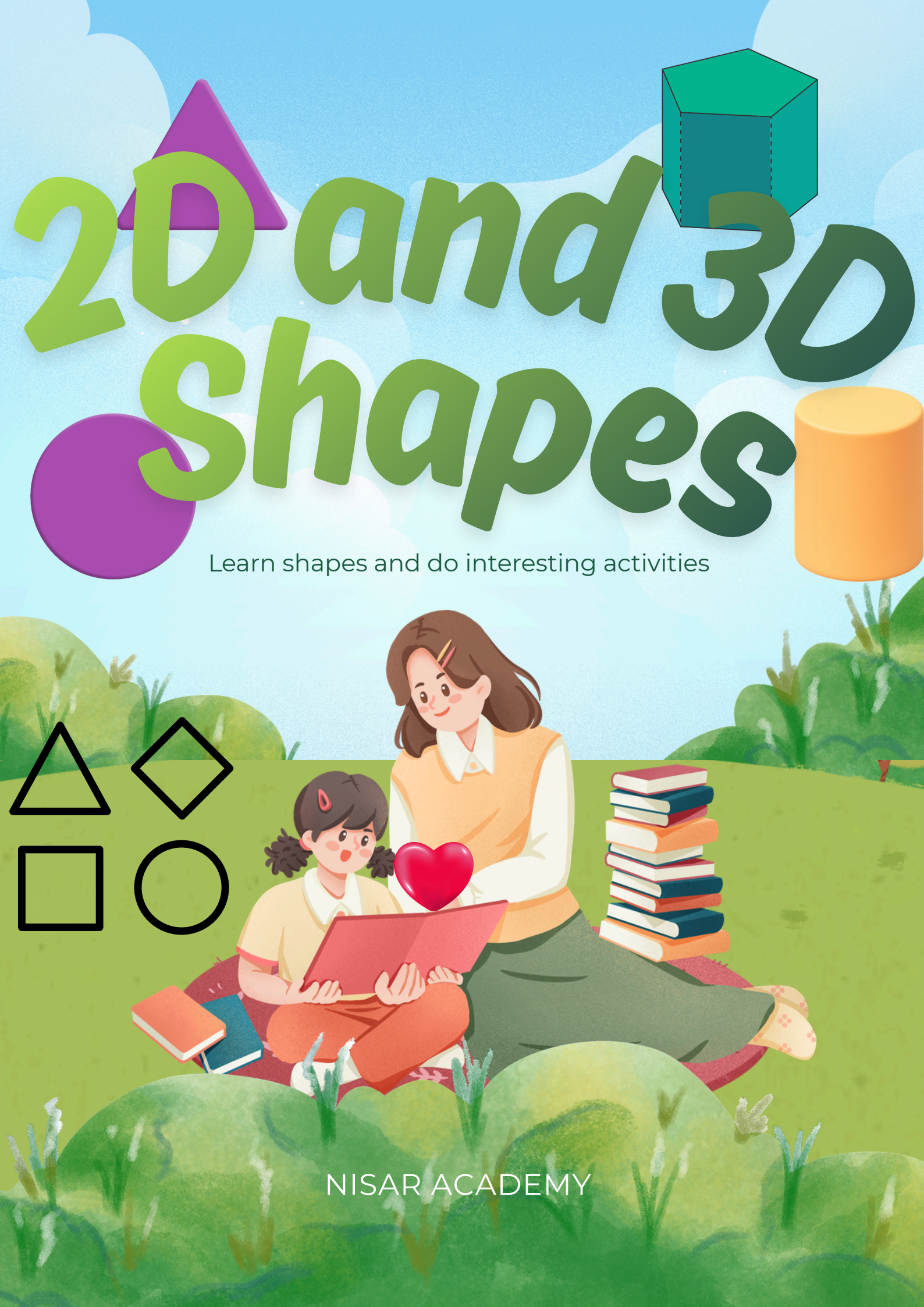




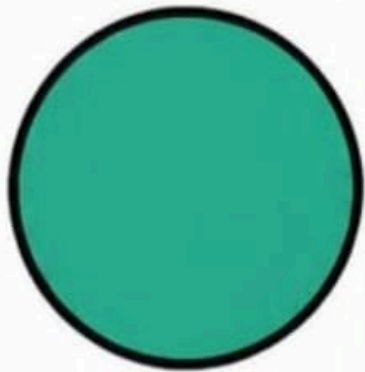
2D and 3D Shapes

Learn shapes and do interesting activities

NISAR ACADEMY



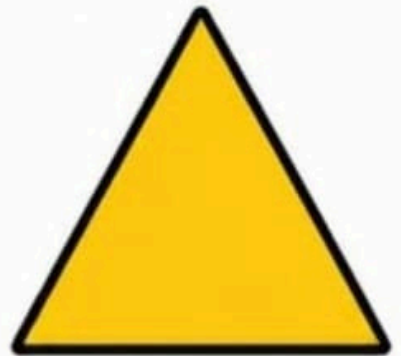
BASIC SHAPES



CIRCLE



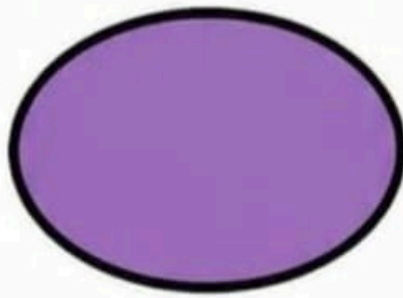
SQUARE



TRIANGLE



RECTANGLE



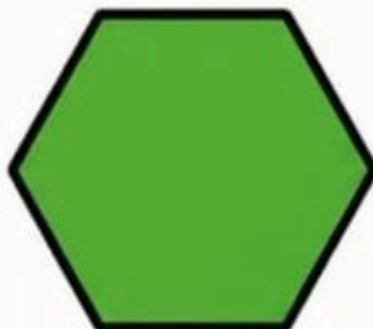
OVAL



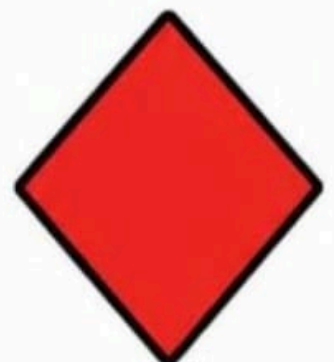
STAR



PENTAGON



HEXAGON



DIAMOND

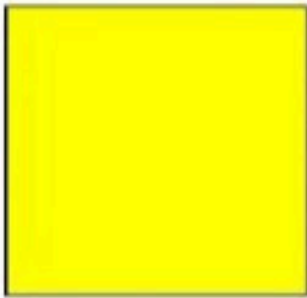
Recognize and identify the names and properties of common 2D shapes.

Square

Circle

Rectangle

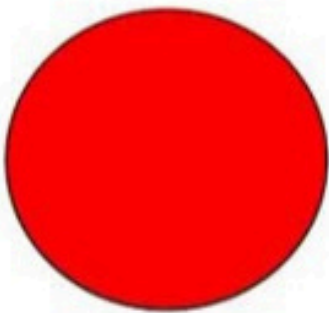
Triangle



This 2D shape is a _____.

It has _____ corners.

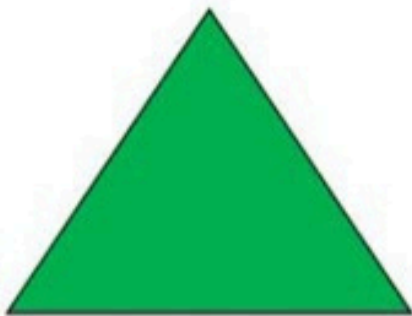
It has _____ sides.



This 2D shape is a _____.

It has _____ corners.

It has _____ sides.



This 2D shape is a _____.

It has _____ corners.

It has _____ sides.

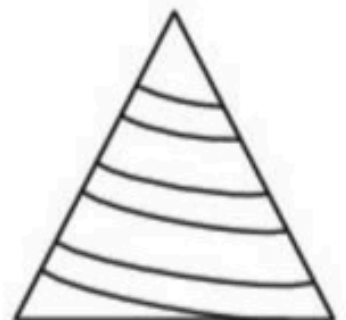
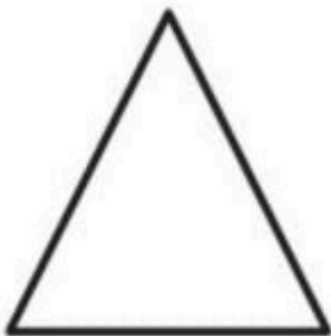
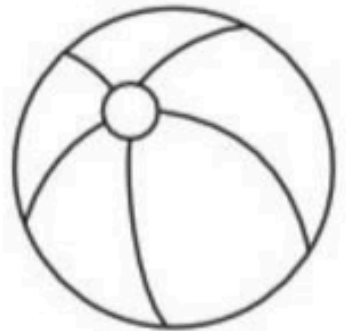
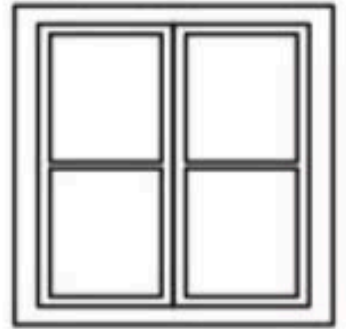
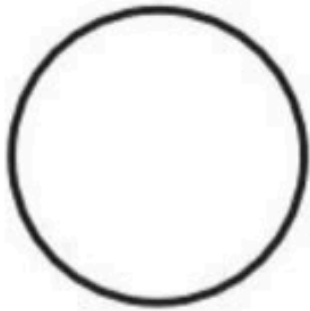


This 2D shape is a _____.

It has _____ corners.

It has _____ sides.

Match the shapes





Shapes and Patterns



1 Name the shapes.

a)



b)



c)



d)



e)



2 Complete the patterns.

a)



b)



c)



3 Count the sides and write.

a)

 sides

b)

 sides

c)

 sides

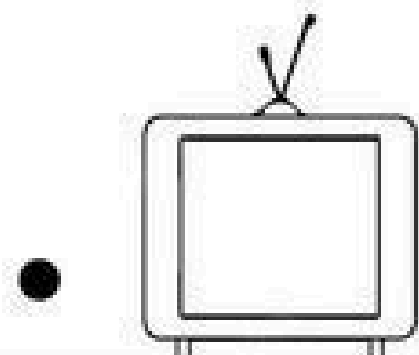
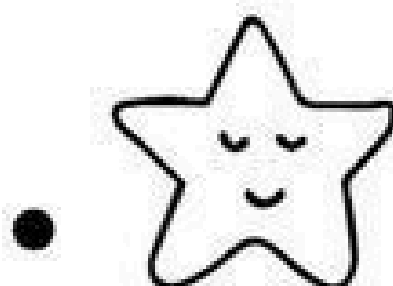
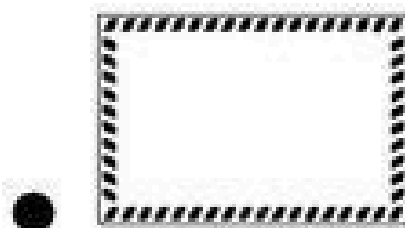
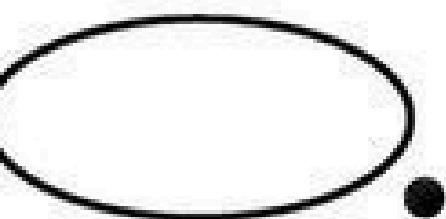
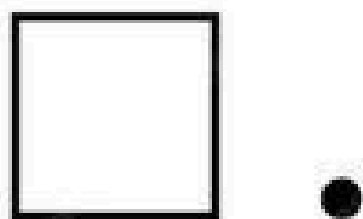
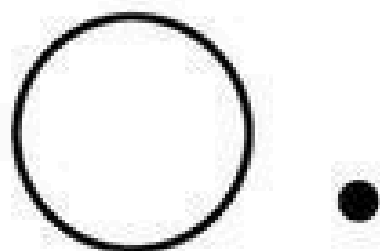
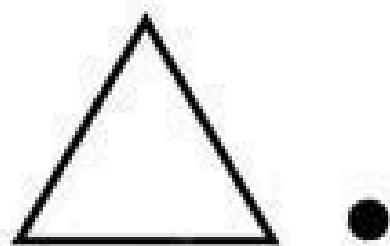
d)

 sides

e)

 sides

Match the shapes and picture below

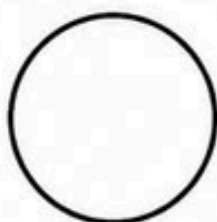




Match the Shapes



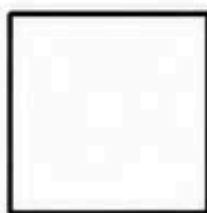
≥ Draw a line to match each shape ≤
with the correct object.



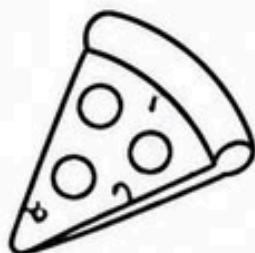
Circle



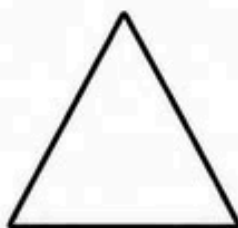
Ball



Square



Pizza



Triangle



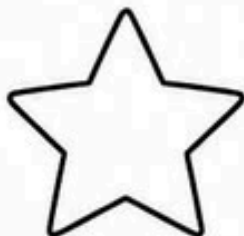
Gift Box



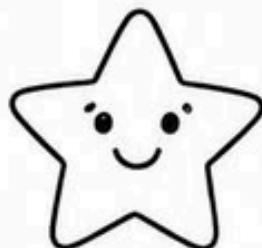
Rectangle



Book



Star



Star

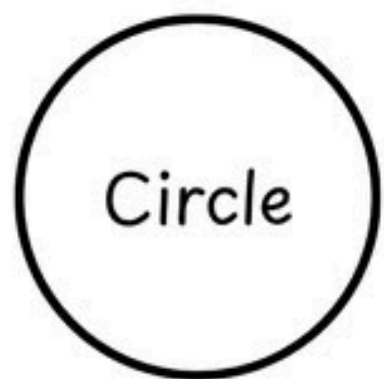
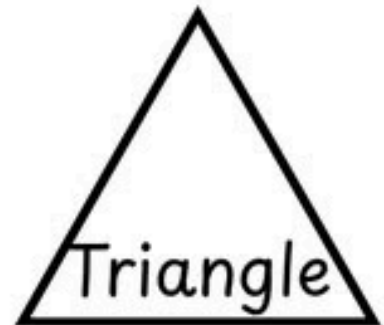
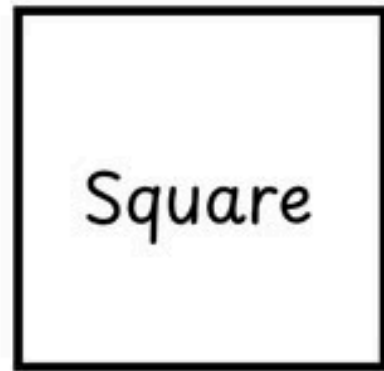


Great Job! ♥



2D Shape Matching

Match the objects to their correct shapes.





Maths Worksheet: Shapes and Spatial Understanding

2D Shapes



A. Identify the shape of each object. Write Circle, Square, Triangle or Rectangle.

1.



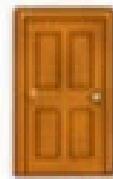
2.



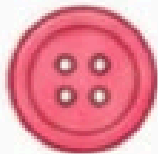
3.



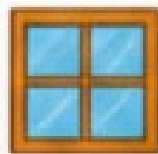
4.



5.



6.



7.



8.



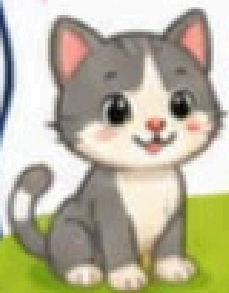
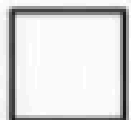
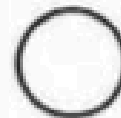
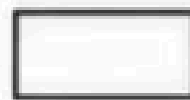
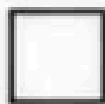
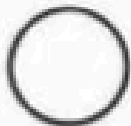
B. Color the shapes as per the given color code.

Circle – Pink

Square – Green

Triangle – Yellow

Rectangle – Blue



3D Shapes



Cylinder



Cube



Pyramid



Triangular prism



Cone



Cuboid



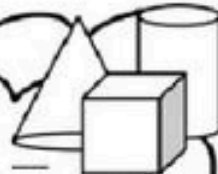
Hexagonal Prism



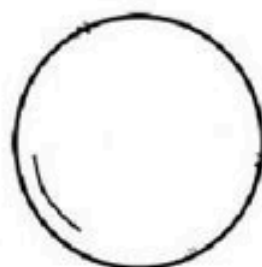
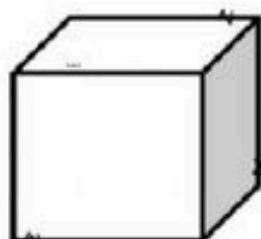
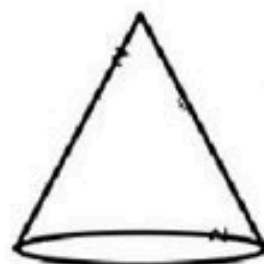
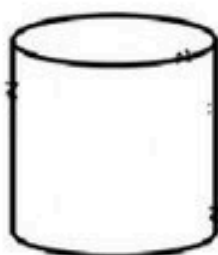
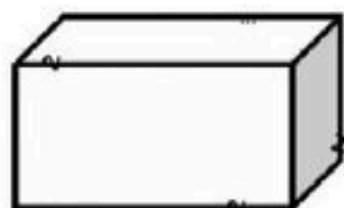
Sphere



Hemisphere



Match the 3D shapes to their names and
write them underneath



Sphere

Cone

Cylinder

Cube

Cuboid



2D & 3D SHAPES

Grade 2 Worksheet



Name: _____

Date: _____

A. Fill in the blanks.

1. A _____ has 3 sides.



2. A _____ has 4 equal sides.



3. A _____ has 4 sides and the opposite sides are equal.



4. A _____ is round and has no corners.



5. A _____ has 5 sides.



B. Is the shape 2D or 3D?

Write 2D or 3D in the blank.

1.



2.



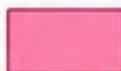
3.



4.



5.



6.



C. Match the everyday objects to the 3D shapes.

1.



•

a.



2.



•

b.



3.



•

c.



4.



•

d.



5.



•

e.



D. Look at the shape and write its name. Choose from the box.

circle

square

rectangle

triangle

cube

cuboid

cylinder

cone

sphere

1.



2.



3.



4.



5.



6.



7.



8.



9.





Remember:

- 2D shapes are flat.
- 3D shapes have width, length and height.



Name: _____

Date: _____

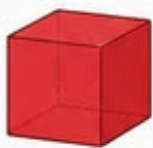
3D SHAPES

Their Properties and Objects

3D shapes have length, breadth and height.



1. Identify the 3D shape. Write the name of each 3D shape shown below.



1. _____ 2. _____ 3. _____ 4. _____ 5. _____ 6. _____

2. Fill in the table. Write the number of faces, edges and vertices for each 3D shape.

Shape	Faces	Edges	Vertices
 Cube			
 Cuboid			
 Cylinder			
 Cone			
 Sphere			
 Square Pyramid			

3. Match the objects to the correct 3D shape.

Cube

Cuboid

Cylinder

Cone

Sphere

Square Pyramid



4. Answer the following.

- Which shape has 6 faces, 12 edges and 8 vertices? _____
- Which shape has 0 vertices and 0 edges? _____
- Which shape has 1 curved face and 2 flat faces? _____
- Which shape has 5 faces, 8 edges and 5 vertices? _____
- Name any two objects that are in the shape of a cylinder.
_____ and _____

5. Draw and name.

Draw any two 3D shapes of your choice and write their names.



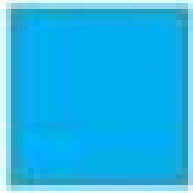


Look around you! 3D shapes are everywhere!



Shapes

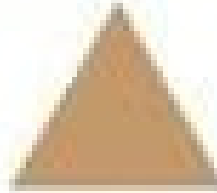
2D Shapes



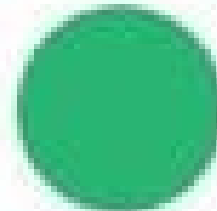
Square



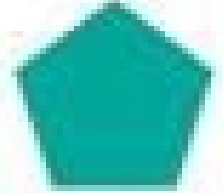
Rectangle



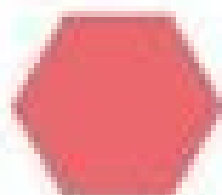
Triangle



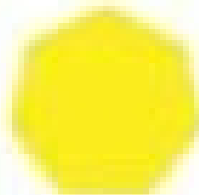
Circle



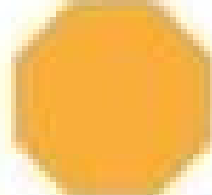
Pentagon



Hexagon



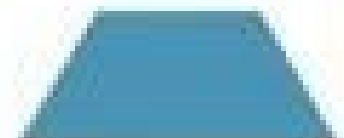
Heptagon



Octagon

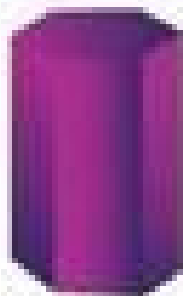


Kite



Trapezoid

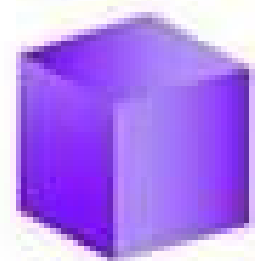
3D Shapes



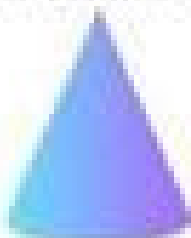
Pentagonal Prism



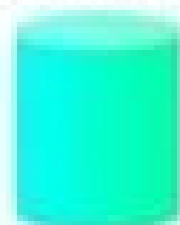
Tetrahedron



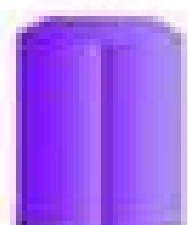
Cube



Cone



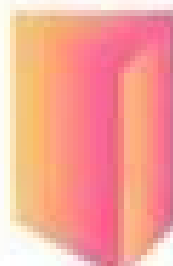
Cylinder



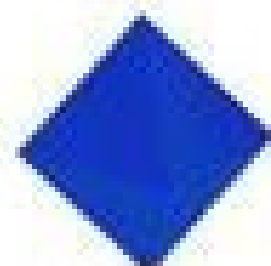
Hexagonal Prism



Sphere



Triangular Prism



Octahedron