3D Shapes

Worksheet A

Identify 2D Faces in 3D Shapes

Level 1 Level 2   Level 3
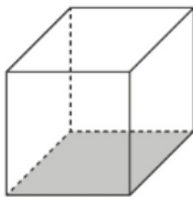
If you are not sure, you can refer to Student's Book pages 84 and 85.
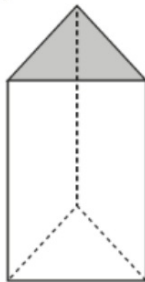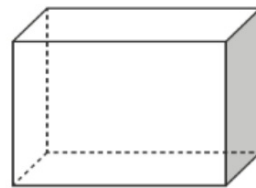
I   Write the shape of the shaded face of each solid.

a

square

b

triangle

c

rectangle

2 Tom was cleaning his table and found the following items.
   Characterise the items by answering the questions below.
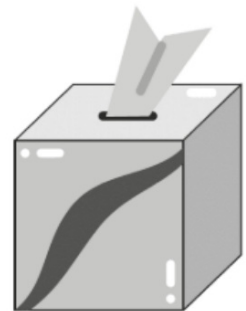
   a Tissue box

      This 3D shape is a __cube__.

      It has __6__ flat faces.

      Describe the shape of the faces of the 3D shape.

      The shape of each face of the solid is a square.

b Gift from Egypt

This 3D shape is a pyramid.

It has ___ 5 ___ flat faces.

Describe the shape of the faces of the 3D shape.

It has 4 triangular faces. 1 square face

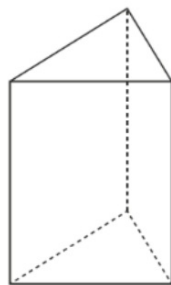c   Chocolate box

The 3D shape is a __prism__.

It has ___5___ flat faces.
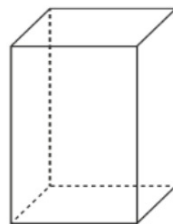
Describe the shape of the faces of the 3D shape.

It has 2 triangular faces and 3 rectangular faces.

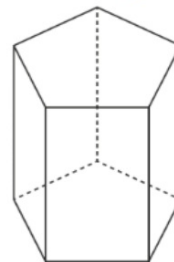**3** Lucas has 3 boxes that are shaped like a prism.

Box A   Box B   Box C

a In Box A, the identical faces have ___3___ sides.

b In Box C, the identical faces have ___5___ sides.

c Another name for Box B is __cuboid__.

d Count the total number of flat faces each prism has.

Box A: ___5___   Box B: ___6___   Box C: ___7___

e Compare the total number of flat faces to the total number of sides the identical faces have for each box.
The total number of flat faces is 2 more than the total number of sides the identical faces have.

f If the identical faces of a prism are hexagons, how many flat faces does the prism have in total?
___8___