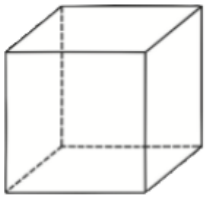
Maths – Investigating faces on 3D shapes – ANSWERS

Children accurately describe and count the flat faces and curved surfaces of 3D shapes and say what 2D shapes they can see on the faces.

Example 3D shapes:

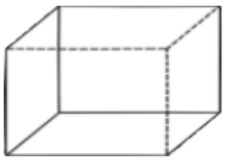


Cube

6 flat faces

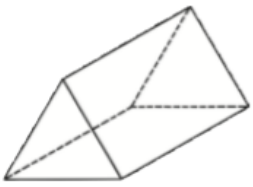
Sphere

1 curved surface



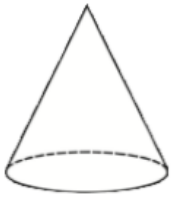
Rectangular Prism

6 flat faces



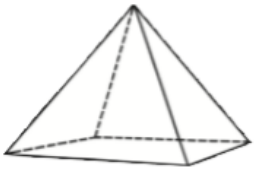
Triangular Prism

5 flat faces



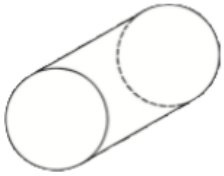
Cone

1 flat faces
1 curved surface



Square-based Pyramid

5 flat faces



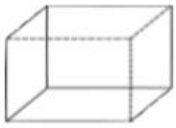
Cylinder

2 flat faces
1 curved surface

Ben is wrong. Sarah could be describing a cube or cuboid. To be clear, she needed to give another clue. For example, if her shape were a cube, she could have said, 'All the faces are square.' For a cuboid, she could have said, 'It has some rectangular faces.'

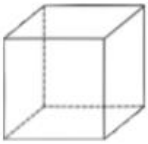
Ben could have used these 3D shapes to make these prints:

Rectangular Prism

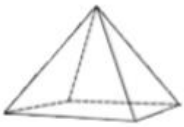


Cone

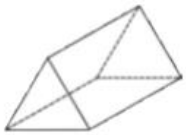
Cube



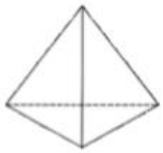
Square-based Pyramid



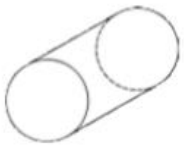
Triangular Prism



Tetrahedron



Cylinder



English – Writing – About to hatch

You could have included more exciting verbs like:

crashed, hurtled, plummeted

strolling, wandering, sauntering

dashed, rushed, hurried, sprinted

noticed, observed, spotted