Varied Fluency Step 8: Count Faces on 3D Shapes

National Curriculum Objectives:

Mathematics Year 2: (2G2b) <u>Identify and describe the properties of 3-D shapes, including</u> the number of edges, vertices and faces

Mathematics Year 2: (2G3) <u>Identify 2-D shapes on the surface of 3-D shapes</u>, <u>[for example, a circle on a cylinder and a triangle on a pyramid]</u>

Differentiation:

Developing Questions to support counting the number of faces on 3D shapes. All shapes presented in the same orientation and size. Perspective lines visible on all shapes. Expected Questions to support counting the number of faces on 3D shapes. All shapes presented in different orientations and sizes. Perspective lines visible on some shapes. Greater Depth Questions to support counting the number of faces on 3D shapes. All shapes presented in different orientations and sizes. No perspective lines visible on shapes, with the use of some real-life objects.

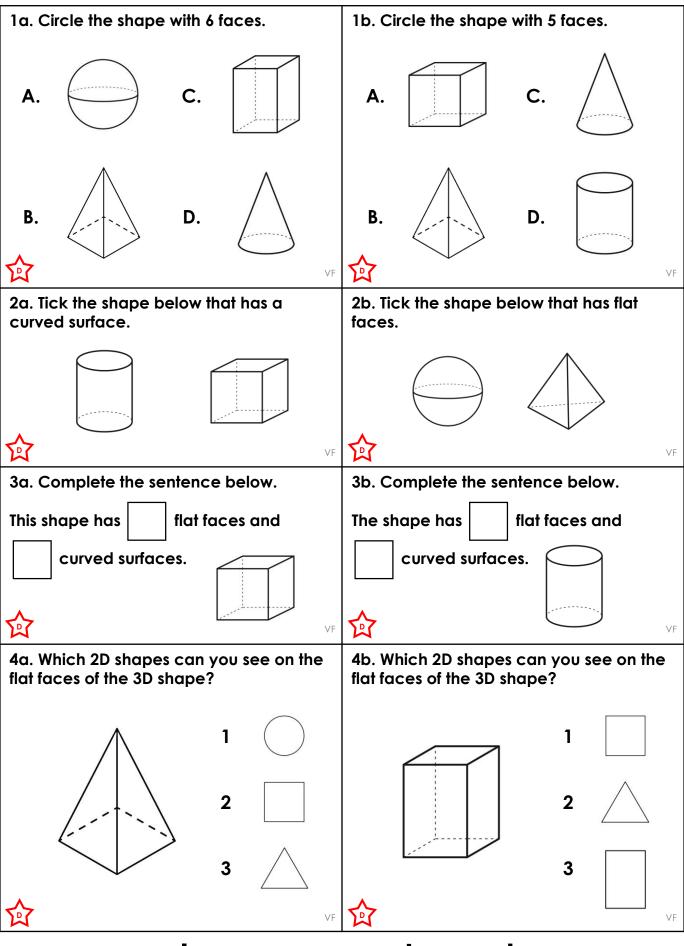
More <u>Year 2 Properties of Shape</u> resources.

Did you like this resource? Don't forget to review it on our website.



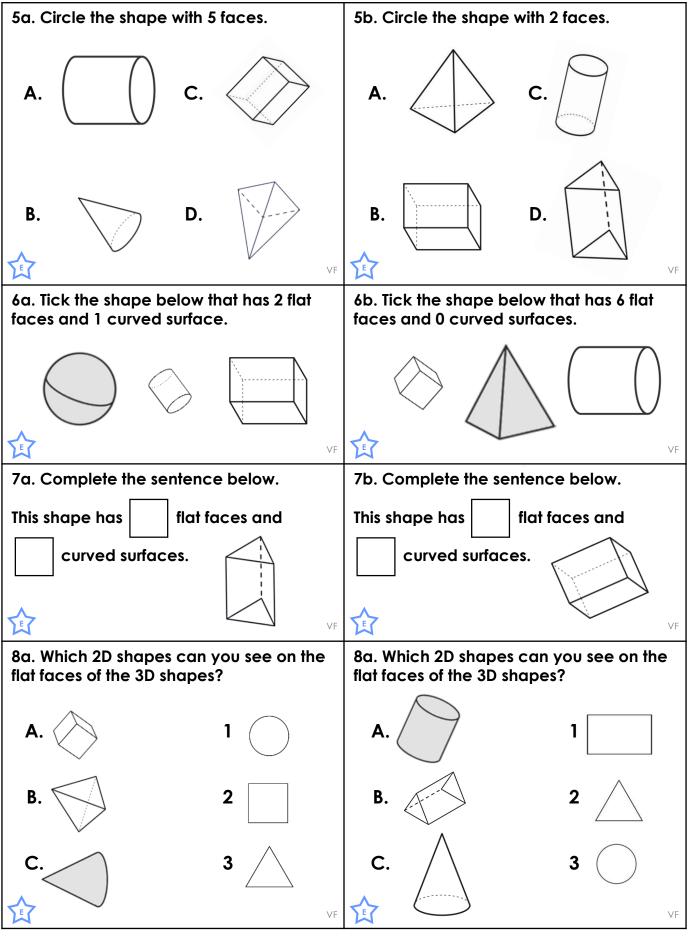
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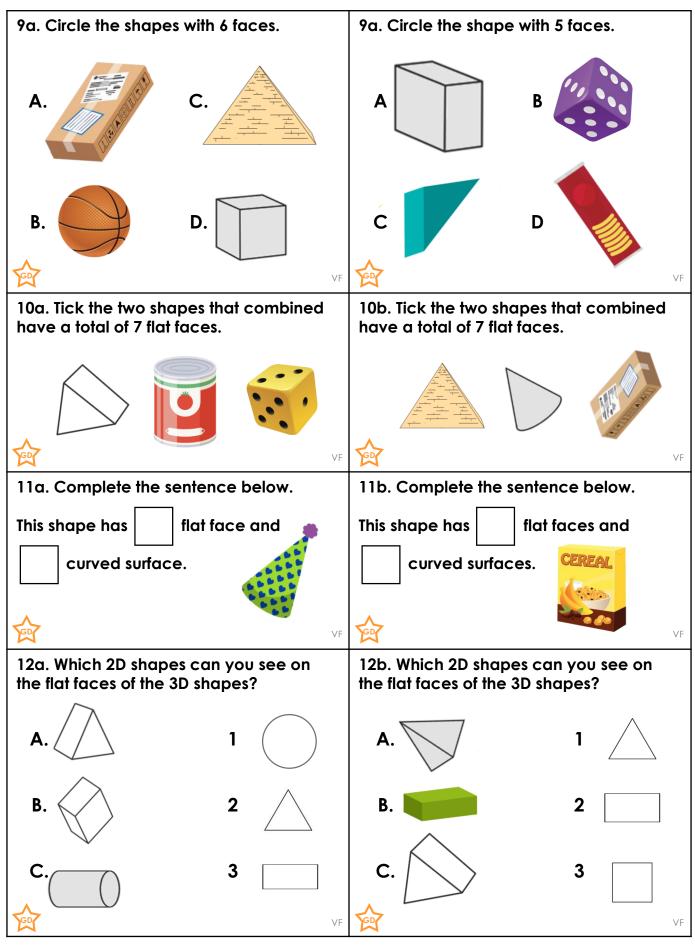
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<u>Developing</u>

1a. C

2a. cylinder

3a. The shape has 6 flat faces and 0

curved surfaces.

4a. square and triangle

Expected

5a. D

6a. cylinder

7a. The shape has 5 flat faces and 0

curved surfaces.

8a. A = square; B = triangle; C = circle

Greater Depth

9a. A and D

10a. triangular prism and cylinder

11a. The shape has 1 flat face and 1

curved surface.

12a. A = triangle and rectangle; B =

rectangle; C = circle

<u>Developing</u>

1b.

2b. trianglular-based pyramid

3b. The shape has 2 flat faces and 1

curved surface.

4b. square and rectangle

Expected

5b. C

6b. cube

7b. The shape has 6 flat faces and 0

curved surfaces.

8b. A = circle; B = triangle and rectangles;

C = circle

Greater Depth

9b. C

10b. cone and cuboid

11b. The shape has 6 flat faces and 0

curved surfaces.

12b. A = triangle or triangle and square; B = rectangle; C = rectangle and triangle

