

Freddie's Frog Pond

Grade 2 · Faces, edges and corners · 2.8B

Name _____

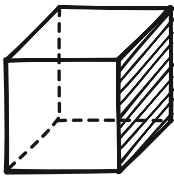
Date _____



Freddie the frog lives in a busy pond full of bugs, lily pads and friends. Solve each problem to help Freddie out!

Count them

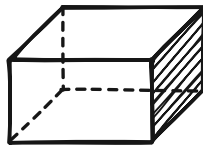
Dashed lines are edges at the back. A corner (vertex) is where edges meet.



Faces _____

Edges _____

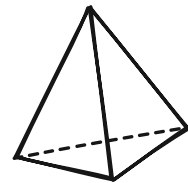
Corners _____



Faces _____

Edges _____

Corners _____

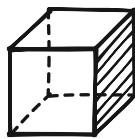


Faces _____

Edges _____

Corners _____

Will it roll? Circle every solid with a curved surface: it can roll.



Which solid am I? Circle the name that fits every clue.

I have 2 triangle faces and 3 rectangle faces.

triangular prism

sphere

cylinder

I have no flat faces, no edges and no corners.

rectangular prism

triangular prism

sphere

I have 1 square face and 4 triangle faces that meet at a point.

triangular prism

pyramid

triangular pyramid



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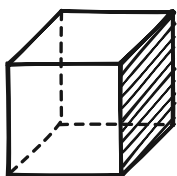
ANSWER KEY



Freddie the frog lives in a busy pond full of bugs, lily pads and friends. Solve each problem to help Freddie out!

Count them

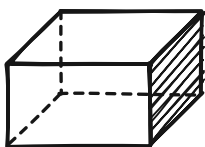
Dashed lines are edges at the back. A corner (vertex) is where edges meet.



Faces 6

Edges 12

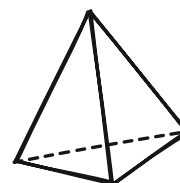
Corners 8



Faces 6

Edges 12

Corners 8

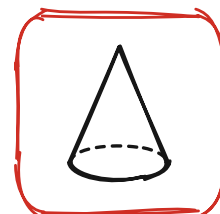
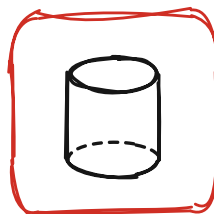
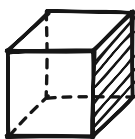


Faces 4

Edges 6

Corners 4

Will it roll? Circle every solid with a curved surface: it can roll.



Which solid am I? Circle the name that fits every clue.

I have 2 triangle faces and 3 rectangle faces.

triangular prism

sphere

cylinder

I have no flat faces, no edges and no corners.

rectangular prism

triangular prism

sphere

I have 1 square face and 4 triangle faces that meet at a point.

triangular prism

pyramid

triangular pyramid



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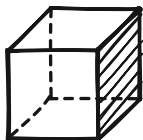
GUIDE

1 What this sheet practises

Counting the faces, edges and corners (vertices) of cubes, prisms and pyramids, telling solids that roll from ones that don't, and naming a solid from clues.

2 A problem from the sheet, worked out

Count them Dashed lines are edges at the back. A corner (vertex) is where edges meet.



Faces 6

Edges 12

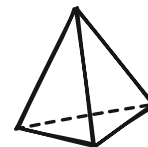
Corners 8



Faces 6

Edges 12

Corners 8



Faces 4

Edges 6

Corners 4

How: A face is a flat side, an edge is where two faces meet, a corner is where edges meet. Dashed lines are the edges at the back: count them too.

3 Words to know

face a flat side of a solid

edge a line where two faces meet

corner (vertex) a point where edges meet

curved surface a side that isn't flat, so the solid can roll

4 Watch for

- Counting only the faces you can see, not the ones at the back.
- Counting an edge twice where two faces share it.
- Calling a cone's point an edge.

5 Where it fits

BEFORE

K.G.B.4

Compare flat and solid shapes by their sides, corners and faces.

THIS SHEET

2.8B

Sort spheres, cones, cylinders, prisms and cubes by their features, using math words.

NEXT

5.MD.C.3

Understand volume as how many unit cubes fill a solid.

6 Helping at home

Find a cereal box and a can. Count the faces, edges and corners of each, and see which one rolls.

