



Penguin's Roll or Stack

3D Solids

IB PYP Grade 1

Mathematics · Geometry

Name _____ Class _____ Date _____

Score _____ / 16

A Does it roll? Does it stack? Circle your answers.



cube

rolls

does not roll

stacks

does not stack



sphere

rolls

does not roll

stacks

does not stack



cylinder

rolls

does not roll

stacks

does not stack



cone

rolls

does not roll

stacks

does not stack

B Which solid does each object look like?



ball

cone

sphere

cube



tin can

cube

cylinder

cone



gift box

cylinder

cube

cuboid



tent

pyramid

cone

sphere

C Draw a line from each solid to its name.



pyramid



cuboid



cone



cube



Answer Key: Penguin's Roll or Stack

3D Solids

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For teachers and parents · check your child's work against these answers

A Rolling and stacking properties of solids (8 marks)

1. cube: does not roll, stacks

2. sphere: rolls, does not stack

3. cylinder: rolls, stacks

4. cone: rolls, stacks

B Linking real objects to solid shapes (4 marks)

1. ball: sphere

2. tin can: cylinder

3. gift box: cuboid

4. tent: pyramid

C Matching solids to their names (4 marks)

1. cuboid -> cuboid

2. pyramid -> pyramid

3. cube -> cube

4. cone -> cone



Total: 16 marks · Accept any correct, clear answer. Colouring, circling and drawing answers may look slightly different.

