

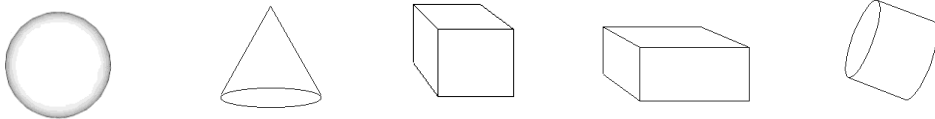
Name _____

Date _____

Math - “Solid Shapes” – Comparing 3-D Objects

Reading/Discussion:

We often talk about 3-D objects, but do you know what the ‘D’ stands for? D refers to the **dimensions** or measurements of the object. A 3-D object has three dimensions – height, width and depth. Today, we are going to look at 5 different 3-D shapes: a sphere, a cone, a cube, a cuboid and a cylinder. Here they are:



Before you carry on reading, talk about these 3-dimensional shapes with a friend and see if you can describe each one.

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Here are some descriptions you could use:

A sphere is a solid, round object, like a ball.

A cone has a flat, circular base and tapers, or narrows, to a point, which is called an **apex**.

A cube has 6 square faces, which are all the same size.

A cuboid has 6 rectangular faces. The opposite faces are the same size.

A cylinder has 2 flat, circular faces on either end of a tube.

A 3-Dimensional object can be solid or it can be open inside. For example, a box is cube-shaped and a hamster’s exercise ball is a sphere. The measurement of the amount of space the 3-dimensional object takes up is called the **volume**. 2-dimensional shapes have zero-volume.

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Math - "Solid Shapes" – Comparing 3-D Objects Questions

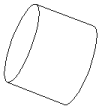

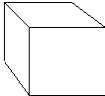
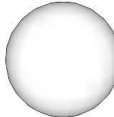
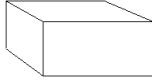
A: Match the objects.

Here are five different objects – can you match them up to a 3-D shape?



B: Now do it the other way around!

How many things can you find around the classroom and playground that match these solid shapes? Write them down in the correct columns.

Name _____

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Math - "Solid Shapes" – Comparing 3-D Objects Answers

Activity A



Cone



Cylinder



Cubes



Sphere



Cuboid

Activity B

This will differ from classroom to classroom. It would be a good idea to ensure that there are a number of objects corresponding to these shapes scattered about the room.