

Scavenger Shape Hunt

Objective: Identify geometric solids with common objects in the world about us.

Materials: Scavenger Shape Hunt Activity Sheet and Transparency
Two sets of geometric solids

Procedures:

1. Leave the geometric solids from the last activity out during this activity.
2. Pass out a "Scavenger Shape Hunt" activity sheet to each participant.
3. Put the "Scavenger Shape Hunt" transparency up on the overhead and tell the participants you will give them an example of how to complete the activity. Under "Shape" write "Triangular prism." Under "Sketch" draw two congruent equilateral triangles positioned one over the other with just a little space between them. Now, connect the vertices with straight line segments. Next, say: "Let's say that there is a pencil holder on your desk that is shaped like a triangular prism. So, for your example, write 'pencil holder'."
4. Tell the participants this scavenger shape hunt should be limited to the actual workshop room, including the contents of purses, pockets, etc. None of the math manipulatives in the room can be used as an example. Objects in the room include anything attached or not attached to the room, such as jewelry worn, and partial objects can be used, such as "the tip portion of the flag pole." Tell participants to feel free to get up and move about the room in order to see certain objects. Advise them that students should be allowed to move around the classroom for this activity, as well. This is not a timed activity, and while the sketches will not be graded on artistic ability, time should be taken in drawing them so that they are recognizable.
5. The trainer should move about the room and comment on the participants' selection of objects.
6. When the participants have finished their scavenger shape hunt, discuss the fact that these shapes should be able to be found in a regular classroom. Remind them to accept only three dimensional examples from students, since this is an activity on solid geometry. Have the participants tell what objects they chose to list and then give the following examples:
Cylinders = handle end of pencils, overhead markers, flag pole, etc.;
Sphere = beads of a necklace, with a little stretch of the imagination a

door knob could be an accepted example; Rectangular Prism = teacher's desk, top of table; Cube = usually the bottom portion of an overhead projector is a cube; Cone = sharpened end of pencil, sometimes the top end of the flag pole. However students often find much more original examples!

SCAVENGER SHAPE HUNT

SHAPE	SKETCH	EXAMPLE
CYLINDER		
SPHERE		
RECTANGULAR PRISM		
CUBE		
CONE		