Practice 8-1

Solids

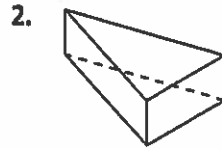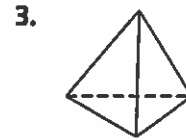**For each figure, describe the base(s) of the figure, and name the figure.**

1.

_____

_____

2.

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3.

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4.

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_____

5.

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6.

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_____
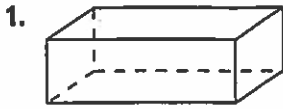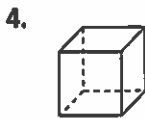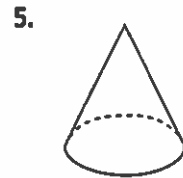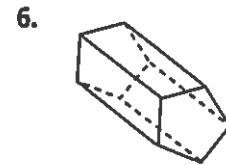
Name the solid that describes each item.

7. bowling ball

_____

8. DVD player

_____

9. soup can

_____

Complete.

10. A _____ has exactly two circular bases.

11. A hexagonal prism has _____ faces.

12. A cube has _____ edges.

13. A pentagonal pyramid has _____ faces.

14. A pentagonal pyramid has _____ edges.

Name the figure described.

15. a space figure with six congruent
    square faces

    _____

16. a space figure with parallel bases that
    are congruent, parallel circles

    _____

Puzzle 8-1

Solids

Solve the riddles to find each mystery solid. Use the circled letters to solve the puzzle.

1. I am a solid with two parallel bases that are congruent triangles. My lateral faces are parallelograms. What am I?

   Ⓞ __ __. __ __ __ __ __ __   __ __ __ __ __

2. I am a solid with parallelograms for lateral faces. I have two bases that are congruent pentagons. What am I?

   __ Ⓞ Ⓞ __ __ __ __ __ __   Ⓞ __ __ __ __

3. I have one base that is a square. My faces are triangles. What am I?

   __ __ __ __ __ Ⓞ __   __ __ Ⓞ __ __ __ __

4. I am a solid with two parallel, congruent bases that are circles. What am I?

   Ⓞ __ __ __ __ __ __ Ⓞ __

5. I am a solid with one base that is a circle. I have one vertex. What am I?

   __ __ Ⓞ __

6. My base is a triangle. I have three faces that are triangles. What kind of solid am I?

   Ⓞ __ __ __ __ __ __ __ __ __   __ __ __ __ __ __ __ __

   What percent of the animals known to have ever inhabited the earth still exist today?

   __ __ __   __ __ __ __ __ __ __