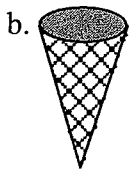# Unit 11 Review
Study Guide
Name _____

1. Each object below has the shape of a geometric solid. Write the name of each geometric solid.
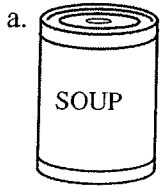
   a. _____

   b. _____

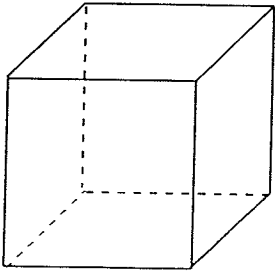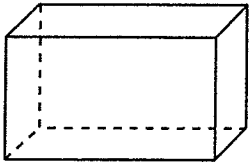2. Each object below has the shape of a geometric solid. Write the name of each geometric solid.
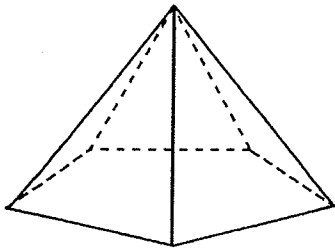
   a. _____

   b. _____

3. How many faces does the cube have?

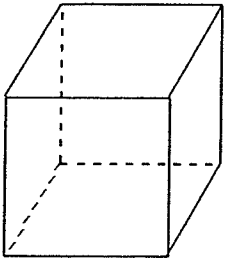   _____ faces

4. How many faces does the rectangular prism have?

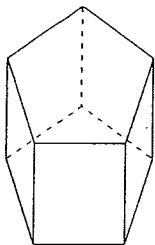_____ faces

5. Mark Xs on the vertices of the pentagonal pyramid.

6. How many edges does the cube have?
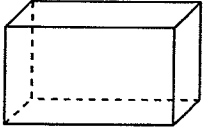
_____ edges

7. Write the name of the shape of the base of the geometric solid given below.

_____

8. Describe the vertices, edges, faces, and bases of the geometric solid below.

_____
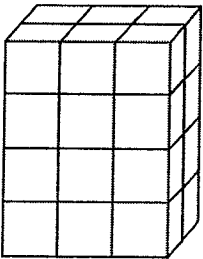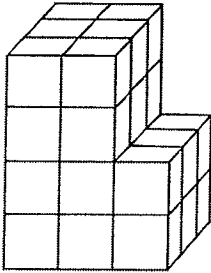
_____

_____

_____

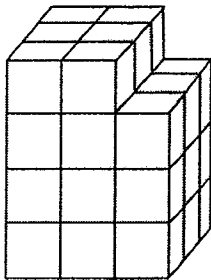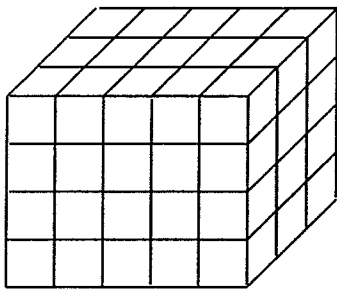9. Find the volume of each stack of centimeter cubes.

a. Volume = _____ cm^3

b. Volume = _____ cm^3

10. Find the volume of each stack of centimeter cubes.

a.

Volume = _____ cm^3

b.

Volume = _____ cm^3

11. Choose the best estimate for the mass of the object.
    Would a horse have mass of about 300 kilograms or 300 grams?

12. Choose the most reasonable estimate for the following objects:
    a. a glass of water
    b. a comb
    c. a lion

    [A] a. 0.1 oz   [B] a. 10 oz   [C] a. 100 oz
        b. 500 g   b. 50 g   b. 0.5 g
        c. 3 kg   c. 300 kg   c. 30 kg

13. There are 5 blue, 1 green, and 4 red marbles in a bag. Choose one of the probability terms listed below to describe the likelihood of each event.

    impossible   certain   very unlikely   likely

    Without looking:

    a. a green marble will be pulled from the bag.   _____

    b. a blue marble will be pulled from the bag.   _____

    c. a marble will be pulled from the bag.   _____

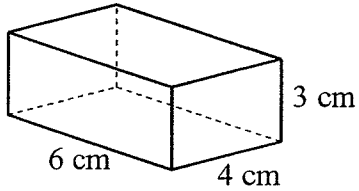   **d.** an orange marble will be pulled from the bag.   _____

14. Calculate the volume of each rectangular prism.

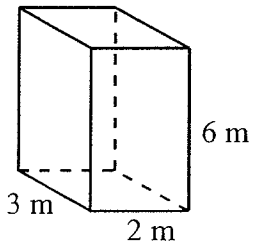| Volume of rectangular prism = Area of base × height |

| $V = B \times h$ |

a.

3 cm

6 cm

4 cm

Volume = _____ cm^3

Number model: _____

b.

6 m

3 m

2 m

Volume = _____ cm^3

Number model: _____

15. Add.

a. $17 + (-5) =$ _____

b. $(-21) + 2 =$ _____

c. _____ $= -6 + (-13)$

d. _____ $= 5 + (-5)$

Make a # line ⇗

0

16. Subtract.

    a. $14-(-8)=$ _____

    b. $-24-(+9)=$ _____

    c. _____ $=-2-(-3)$

    d. _____ $=13-(-5)$

17. Subtract.

    a. $16-(-8)=$ _____

    b. $-19-(+9)=$ _____

    c. _____ $=-7-(-8)$

    d. _____ $=19-(-8)$

Multiply. Be sure to include the decimal point in your answer.

18. $6.2*26=$ _____

19. _____ $=0.89*65$