

Unit 11 PC Form A

1. Add.

$$-4 + 7 = \underline{\hspace{2cm}}$$

2. Add.

$$-8 + (-5) = \underline{\hspace{2cm}}$$

3.  Use pencil and paper to answer the question.

Add.

a. $-6 + 13 = \underline{\hspace{2cm}}$

b. $-6 + (-10) = \underline{\hspace{2cm}}$

c. $\underline{\hspace{2cm}} = 4 + (-14)$

d. $\underline{\hspace{2cm}} = -20 + 4$

4.  Use pencil and paper to answer the question.

Add.

a. $\underline{\hspace{2cm}} = 16 + (-8)$

b. $(-17) + 11 = \underline{\hspace{2cm}}$

c. $\underline{\hspace{2cm}} = -14 + (-9)$

d. $15 + (-15) = \underline{\hspace{2cm}}$

5. The object below has the shape of a geometric solid. Name the geometric solid.



- a. sphere
- b. cone
- c. cylinder
- d. rectangular prism

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6.  Use pencil and paper to answer the question.

Each object below has the shape of a geometric solid. Name the geometric solid.

a.

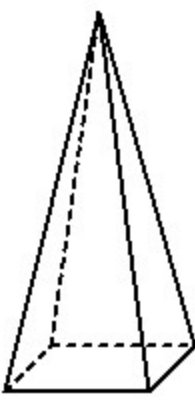


b.



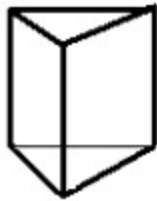
7. How many faces does the square pyramid have?

_____ faces



8. How many vertices does the triangular prism have?

_____ vertices

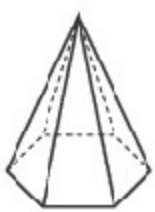


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9. How many edges does the rectangular prism have?
_____ edges

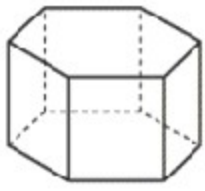


10. Name the shape of the base of the pyramid below.



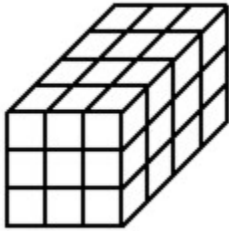
11.  Use pencil and paper to answer the question.

Describe the geometric solid below. Use the words *vertex*, *base*, *face*, *edge*, and *congruent* in your description.



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12. Find the volume of the stack of centimeter cubes.

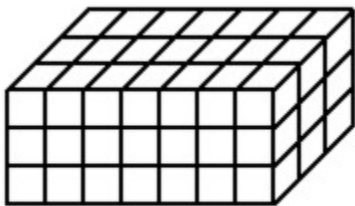


Volume = _____ cm^3

13.  Use pencil and paper to answer the question.

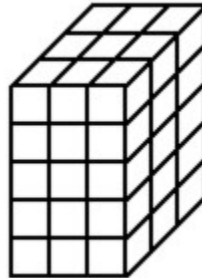
Find the volume of each stack of centimeter cubes.

a.



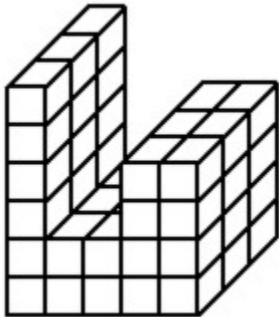
Volume = _____ cm^3

b.



Volume = _____ cm^3

14. Find the volume of the stack of centimeter cubes.

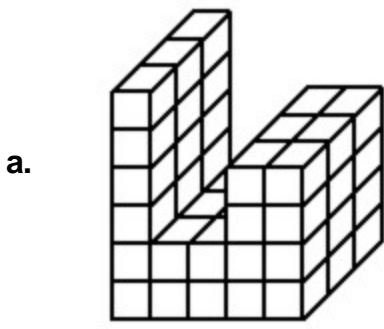


Volume = _____ cm^3

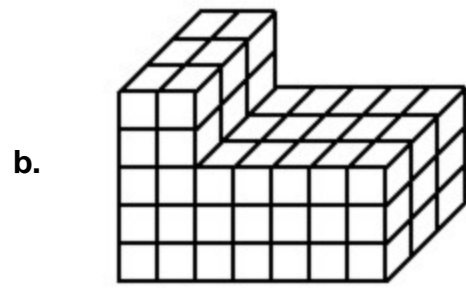
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15.  **Use pencil and paper to answer the question.**

Find the volume of the stack of centimeter cubes.



Volume = _____ cm^3



Volume = _____ cm^3

16. Choose the most reasonable estimate for the weight.

A box of rice might weigh about

- a. 16 oz b. 160 oz c. 1,600 oz

17.  **Use pencil and paper to answer the question.**

Circle the most reasonable estimate for the weight.

- | | | | |
|------------------------------------|---------|--------|-------|
| a. A box of rice might weigh about | 0.16 oz | 1.6 oz | 16 oz |
| b. A marker might weigh about | 5 g | 50 g | 500 g |
| c. A paper clip might weigh about | 0.1 g | 1 g | 10 g |

18.  **Use pencil and paper to answer the question.**

There are 6 blue, 1 purple, and 3 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,

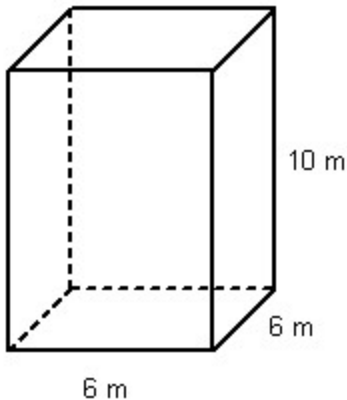
- a. a marble is pulled from the bag. _____
- b. a green marble is pulled from the bag. _____
- c. a blue marble is pulled from the bag. _____
- d. a purple marble is pulled from the bag. _____

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19.  Use pencil and paper to answer the question.

Calculate the volume of the rectangular prism.

Volume of a rectangular prism = area of base * height
 $V = B * h$



Number model: _____

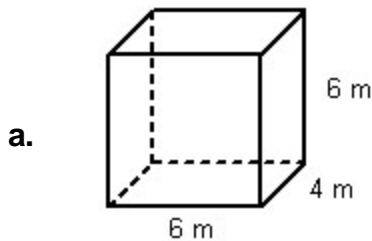
Volume = _____ m^3

20.  Use pencil and paper to answer the question.

Calculate the volume of each rectangular prism.

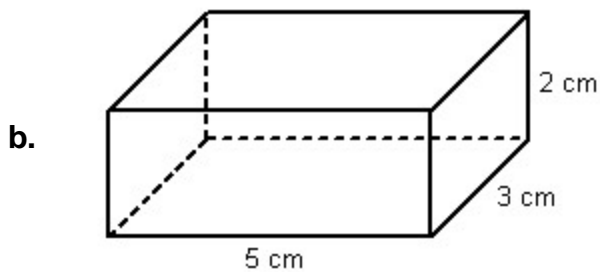
Volume of a rectangular prism = area of base * height

$$V = B * h$$



Number model:

Volume = _____ m^3



Number model:

Volume = _____ cm^3

21. Add.

_____ = $-5 + (-5)$

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22. Subtract.

$$-11 - (-7) = \underline{\hspace{2cm}}$$

23. Subtract.

$$-4 - 9 = \underline{\hspace{2cm}}$$

24. Subtract.

$$13 - (-3) = \underline{\hspace{2cm}}$$

25.  **Use pencil and paper to answer the question.**

Subtract.

a. $-4 - (-3) = \underline{\hspace{2cm}}$

b. $-11 - 3 = \underline{\hspace{2cm}}$

c. $\underline{\hspace{2cm}} = -3 - (-10)$

d. $3 - (-7) = \underline{\hspace{2cm}}$

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

$$5.1 * 71 = \underline{\hspace{2cm}}$$

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

$$0.78 * 8 = \underline{\hspace{2cm}}$$

28. Divide. Be sure to include the decimal point in your answer.

$$16.8 \div 6 = \underline{\hspace{2cm}}$$

29. Divide. Be sure to include the decimal point in your answer.

$$55.5 \div 5 = \underline{\hspace{2cm}}$$

30.  **Use pencil and paper to answer the question.**

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

a. $\underline{\hspace{2cm}} = 3.9 * 65$

b. $\underline{\hspace{2cm}} = 0.71 * 7$

c. $23.4 \div 6 = \underline{\hspace{2cm}}$

d. $81.5 \div 5 = \underline{\hspace{2cm}}$

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31.  Use pencil and paper to answer the question.

Record Rainfall

According to the National Weather Service, the most rain that fell in the United States in a 24-hour period was 42 inches. This happened in Alvin, Texas, on July 25 and 26, 1979.

Imagine that it rained 42 inches in your classroom. About how many pounds would the water weigh?

Hints:	1 cubic foot of water weighs about 62.5 pounds. 1 ton equals 2,000 pounds.
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a. List the information you need to solve the problem.

b. Explain your plan for solving the problem.

c. If 42 inches of rainwater fell in a classroom that is 28 feet long and 26 feet wide, about how many pounds would the rainwater weigh? Show all of your work.

d. Would this much rain fit in your classroom? Why or why not?
