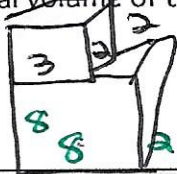


The top of refrigerator has a length of 3 feet, width of 2 feet and height of 2 feet. The bottom of the refrigerator has a length of 8 feet, width of 2 feet, and height of 8 feet. What is total volume of the refrigerator?



$$3 \times 2 \times 2 = 12 \text{ ft}^3$$

$$8 \times 2 \times 8 = 128 \text{ ft}^3$$

$$\hline 140 \text{ ft}^3$$

The volume of a box is 864 feet cubed. The length is 12 feet and the width is 18 feet. What is the height of the box? What formula could you use to figure this out?

$$864 = 12 \times 18 \times H$$

$$864 = 216 \times H$$

$$\frac{864}{216} = \frac{216 \times H}{216} \quad H = 4 \text{ ft}$$

Answer the questions by checking the box.

- a. Is a square a rectangle?
- b. Is a rectangle a kite?
- c. Is a rectangle a parallelogram?
- d. Is a square a trapezoid?
- e. Is a parallelogram a trapezoid?
- f. Is a trapezoid a parallelogram?
- g. Is a kite a parallelogram?

	Sometimes	Always
a.		✓
b.	✓	
c.		✓
d.		
e.		
f.		
g.		✓

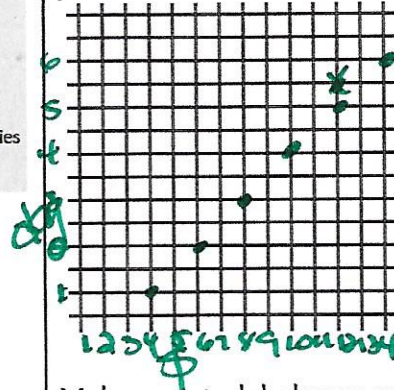
h. For each statement that you answered with *sometimes*, draw and label an example that justifies your answer.

Wednesday 4/17

 when rectangle is a square

Wednesday 4/17

Mrs. Nelson's class is collecting money for the American Cancer Society. On Day 1 they collected \$4, Day 2 they collected \$6, Day 3 they collected \$8, Day 4 they collected \$10, and Day 5 they collected \$12. Create a coordinate grid and plot the points using ordered pairs. Also, draw a chart to show your ordered pairs.



D	\$
1	4
2	6
3	8
4	10
5	12
6	14

Make sure to label your graph!

If they continue on this trend for another week, how much do you think they will collect on Day 6? Explain your reasoning.

Wednesday 4/17

The mainsail on a sailboat has a triangular shape. Its sides have lengths measuring 16 feet, 22.4 feet, and 16 feet. What type of triangle is this? Make sure to classify it by side lengths and angle measurements.

What are the other types of triangles and how do you classify them?



Isosceles Right
 Scalene Equilateral
 Obtuse
 Acute

Wednesday 4/17

A teacher is using small blocks to figure out the volume of a rectangular box. Each small block has a volume of 1 cubic inch. The teacher has filled the box using five layers of blocks. Each layer has 20 small blocks. What is the volume of the box?

$$5 \times 20 \times 1 = 100 \text{ in}^3$$