

1. Mrs. Smyte records the number of people in the school gym every hour during a school day. The data she collects show a maximum of 100 people. Which of the following is an appropriate scale for the graph?

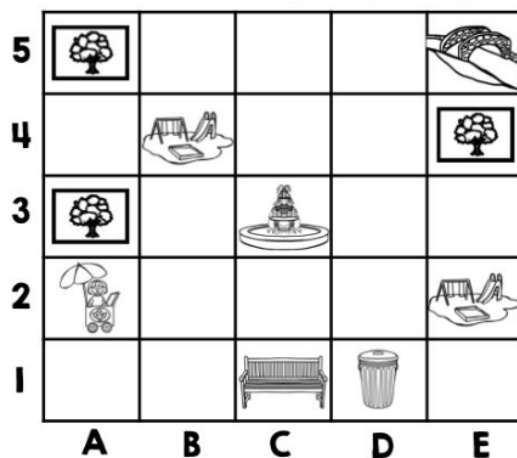
- a. Increasing by 1 (0,1,2,3,4,...)
- b. Increasing by 2's (0,2,4,6...)
- c. Increasing by 10's (0, 10,20, 30...)

2. A student collects apples over a 5-day period.

| Day | Apples |
|-----|--------|
| 1 | 5 |
| 2 | 6 |
| 3 | 4 |
| 4 | 3 |
| 5 | 7 |

What is the median number of apples that the student collected?

3. Use the map and key below to complete the grid and answer the questions.



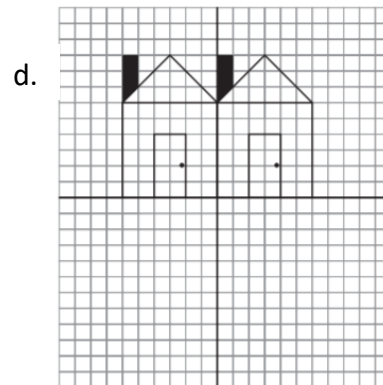
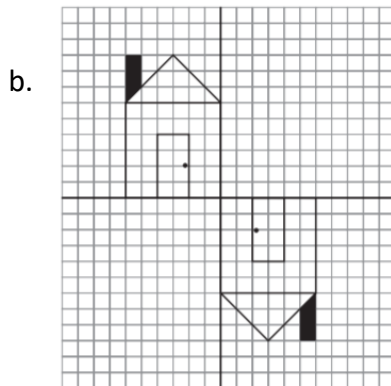
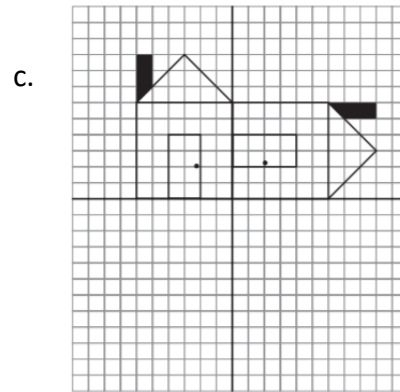
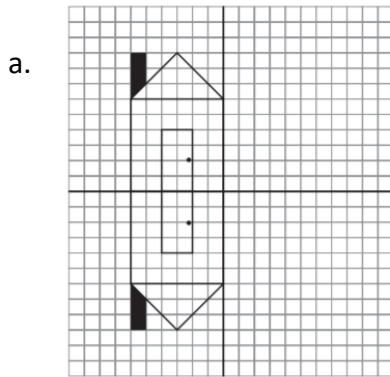
a. Name the location of each item on the map.

| | |
|-------------------|------------|
| play area: B4, E2 | ice cream: |
| trash can: | fountain: |
| park bench: | tree: |

- b. Add the following items to the map key by drawing a picture and labeling them. Draw the items anywhere on the map and name the location.

| | |
|----------------------|--------------------|
| restroom: | bike trail: |
| cotton candy: | balloons: |

4. Which image demonstrates a reflection?



5. Which is the most appropriate unit of measurement to describe the area of the floor of a gym?

- a. km^2
- b. cm^3
- c. m^2
- d. m^3

6. Build a rectangle with a length of 9 cm and a width of 1 cm and record the area.

Now, build a rectangle that has a side length of one less cm and a side width of one more cm.

What do you notice about the area?

7. How many minutes are in 5 hours?

- a. 65 minutes
- b. 120 minutes
- c. 300 minutes
- d. 240 minutes

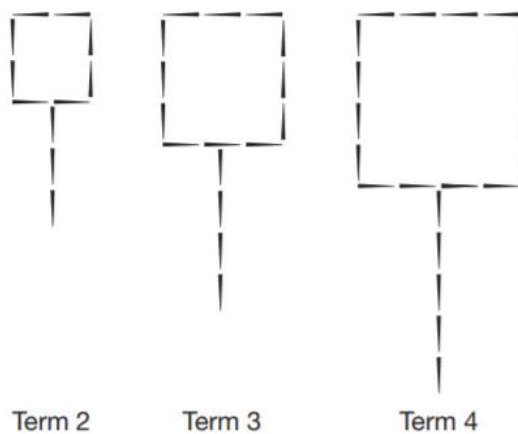
8. Look at the numbers below:

$$\frac{1}{5} \text{ or } \frac{1}{4}$$

Which fraction is the largest?

- a. $\frac{1}{5}$
- b. $\frac{1}{4}$

9. The terms of a pattern are made using toothpicks. Term 1 and Term 5 are not shown.



a. How many toothpicks are used to build the first term?

b. How many tooth picks are used to build the 5th term?