Smiley Face Math   Name: _____
Grade 5, Worksheet VI

☺ ☺ ☺   1. Parentheses tell you what to do first, when you compute. Rewrite the equation using parentheses to make the statement true.
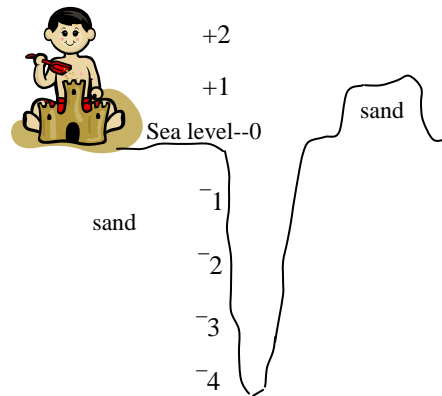
$$2 \times 7 + 21 \div 7 = 8$$

☺ ☺ ☺ ☺ 2.   Eric likes to make sand castles at the beach. He also likes to dig deep holes to hide some treasures he finds there. This hole is 4 feet deep, and he calls the bottom of the hole ¯4 to show it is 4 feet below sea level.

a. Put a check mark at ¯2½ feet.

b. Put another check mark at ⁺2½ feet.

c. How many feet difference is there between the heights of ⁺2½ feet and ¯2½ feet?

Answer: _____ feet

d. How many feet difference is there between ¯2½ feet and ¯4 feet?   Answer: _____ feet

+2

+1   sand
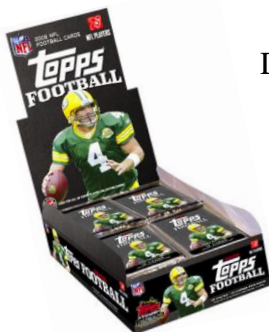
Sea level--0

sand   ¯1

¯2

¯3

¯4

☺ ☺ ☺   3. Eric has a system for saying if one of his numbers is greater than another number. He says that *one number is greater than another number if it is higher in the hole he dug.* For example, Eric says that ¯2½ is greater than ¯4 because ¯2½ is higher in the hole than ¯4 is.

Use Eric's system to place the integers ¯1, ⁺2, ¯3, and 0 in the correct boxes below
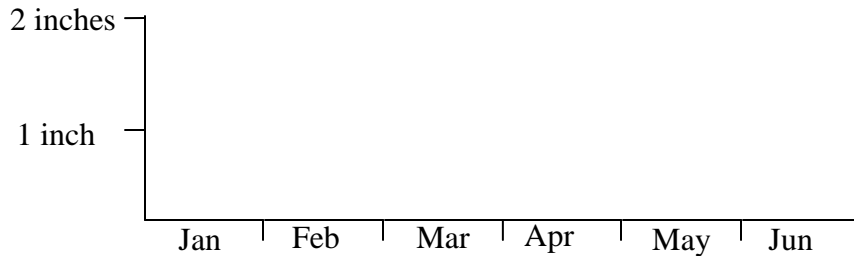
☐ > ☐ > ☐ > ☐

☺ ☺   4.   Julie collects football cards. She buys 2 packs of cards every day after school. Each pack has 8 cards in it. She counts all of the cards in her collection—a total of 192 cards.   How many days did she go to the card shop to buy cards?   _____
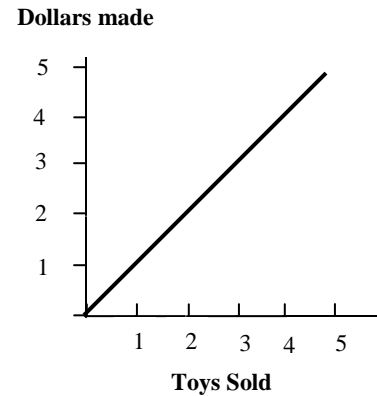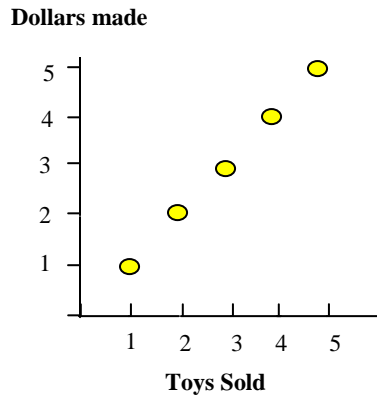
Drawing a picture may help.

☺ ☺ ☺   5. Make a graph below that shows Juan's hair length each month for six months. Usually at the start of each month, he gets his head shaved. Then it grows steadily till it reaches 1 inch on the last day of the month. But he skipped getting it cut on April Fool's day—the first day of April— so by the end of April, it had grown twice as long as normal. He shaved it again at the start of May, and continued his normal routine.

2 inches ┤

1 inch ┤

Jan   Feb   Mar   Apr   May   Jun

☺ ☺ ☺ ☺ 6. Josie wanted to sell some of her toys at a garage sale. She asked $1 for each toy. She wanted to make a graph of how much money she would make. Circle the graph below that would show this information the best, and then tell why you choose the graph you did.

Dollars made

5
4
3
2
1

1   2   3   4   5
Toys Sold

Dollars made

5
4
3
2
1

1   2   3   4   5
Toys Sold

Explanation:

☺ ☺ ☺ ☺ 7. Find a centimeter ruler around your house. Count the spaces between the centimeter marks— those are millimeters. a. How many millimeters are in a centimeter? _____ mm

b. Measure the distance around your wrist as accurately as you can.   Answer: __ cm & __ mm

c. Measure the distance around your neck as accurately as you can: Answer: __ cm & __ mm

d. For most people, the distance around their neck is approximately twice the distance around their wrist. Is that true for you? _____