Smiley Face Math
Grade 5, Worksheet VII

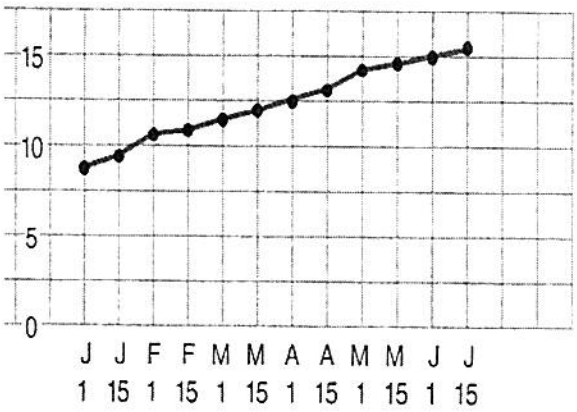
Name: _____

☺ ☺ ☺ 1. The graph below shows the number of daylight hours for the first six months of a year.

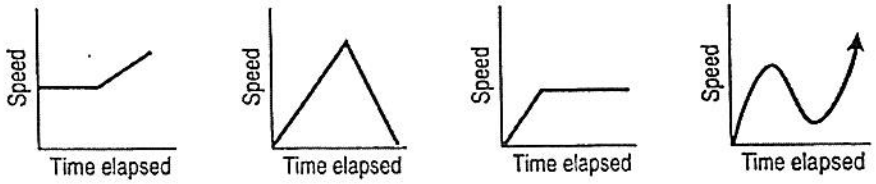
a. How many hours of daylight were recorded on April 1st? ___ on June 1st? ___

b. Which month had the least number of daylight hours? ____ How can you tell?

c. If the graph went for 6 *more* months, what would the line look like, and why?



☺ ☺ ☺ 2. Circle the graph below that best shows the speed of a man walking up a hill at a steady pace, and then running, faster and faster, down the other side.



☺ ☺ ☺ 3. Use the calendar. Answer the questions below.

January 2009

Su	M	Tu	W	Th	F	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

a. Circle the multiples of 2. Then draw a square around the multiples of 3.

b. Which numbers have both circles and squares around them? ___, ___, ___, ___, and ___

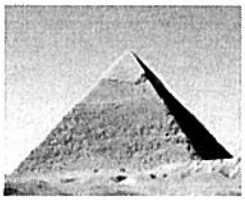
c. Which *single number* is your circled and squared numbers a multiple of? ____

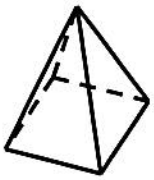
☺ 4. If you want to add ½ and ⅓, one way to do so is to find a *common denominator* for the fractions. This means you have to find a number that is a *multiple* of both 2 and 3. From problem 3 above, what is the smallest number that is a multiple of both 2 and 3? _____

☺ ☺ 5. Show how to find ½ + ⅓ using the six-packs of cola below. Show why the answer of 5/6 makes good sense for this problem.

½ + ⅓ = 5/6

☺ ☺ ☺ 6. Dr. Jones asked his archeology team to identify the attributes of this square pyramid. He provided a diagram to help them.





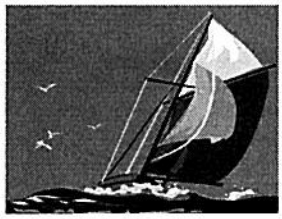
How many *faces* does the pyramid have? _____ (Don't forget to count the bottom face.)

How many *vertices* does it have? _____ How many *edges* does it have? ____

☺ 7. There are 139 students and teachers sailing to a local island for a fifth grade trip. There are several sail boats at the dock. Each boat holds 12 passengers.

How many sail boats are needed to carry everyone to the island?

_____



☺ ☺ 8. The temperature on Friday was a freezing ⁻3° Celsius. Then it got even colder and went down 5 more degrees. What was the new temperature? Draw a picture below to help you find the answer.

Answer: It was ____degrees.