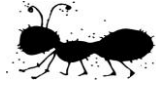**Smiley Face Math**
Grade 3, Worksheet IV

Name: _____

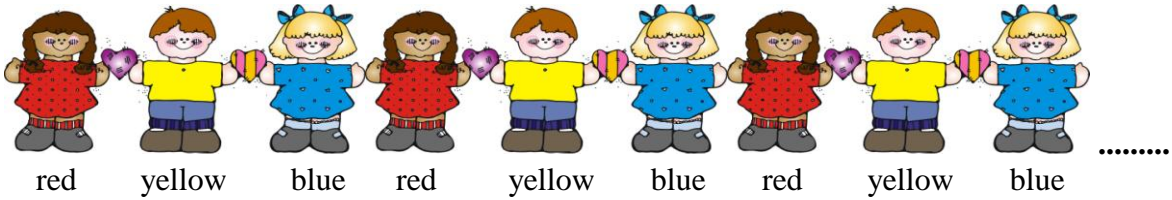☺   1. There are seven ants marching in a line.

Write an addition sentence to show how many legs there are in all. _____

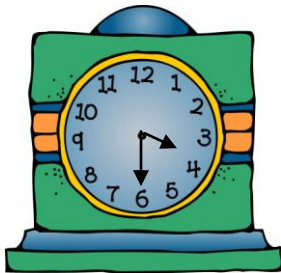Write a multiplication sentence to show how many legs there are in all. _____

☺ ☺ ☺ 2. Look at the pattern below:

red   yellow   blue   red   yellow   blue   red   yellow   blue   ....

    a. If the pattern continues, what colored shirt would the 12th student wear? _____

    b. What colored shirt would the 13th student wear? _____

    c. What colored shirt would the 20th student wear? _____

☺ ☺ ☺   3. The clock below shows what time Shamar's soccer practice ended.

a. What time did practice end? _____

b. If practice was 1½ hours, what time did it start? _____

c. Shamar took 15 minutes to go home after practice. What time did he get home? _____

☺ ☺ ☺ 4. A third grade class took a field trip to The Florida Aquarium. In the octopus tank the students counted 32 legs.

How many octopi were in the tank? _____

☺☺ 5. Shown is 1 whole carton of eggs.

   a. If 6 eggs are cracked and have to be thrown out, what *fraction* of the carton is left?

   _____

   b. What is another fraction name for the carton with 6 eggs left?

   _____

   c. If another whole carton of eggs is added to the 6 eggs left above, what is a *mixed number* name for all the eggs you have?

   _____ cartons of eggs

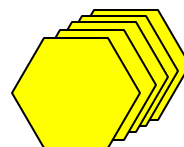☺☺ 6. a. Finish this addition sentence to show how many angles there are in 6 pentagons:

   $5 + 5 + 5 +$ _____ $=$ _____

   b. Finish this multiplication sentence to show how many angles there are in 6 pentagons:

   $6 \times$ ___ $=$ ____

☺☺ 7. a. Finish this addition sentence to show how many angles there are in 5 hexagons:

   $6 + 6 + 6 +$ _____ $=$ _____

   b. Finish this multiplication sentence to show how many angles there are in 5 hexagons:

   $5 \times$ ___ $=$ ____

☺ 8. Compare what you wrote for 6 (b) and 7 (b) above.

   Use this information to finish this new multiplication sentence:

   $6 \times 5 =$ ___$\times$___ $= 30$