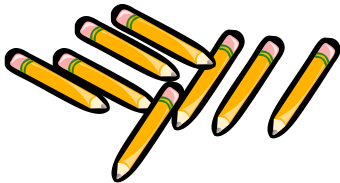**Smiley Face Math**
Grade 5, Worksheet VIII

Name: _____

☺ ☺ ☺   1. Maxine bought 8 new pencils during a "tax free" week before school started. She paid with a $5 bill and got $3.16 back as change. Explain why the equation **8p + $3.16 = $5.00** represents this situation.

Explanation:

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☺ ☺ ☺ ☺ 2. Solve the equation above to find the cost of one pencil **p**. Explain how you solved the equation.

☺   3. Karen is 148.2 centimeters tall. Last year she was 140.2 centimeters tall. Mentally, figure out how much has she grown since last year. _____

☺ ☺ ☺   4. Mark's temperature was 100.1° F at bedtime. At midnight, his temperature had gone up 1.1° F. This morning his temperature was 98.9° F. By how much did his temperature go down from midnight to this morning? _____
Explain your answer.

☺ ☺   5. Sharon and 4 friends decided to fill a bucket with water. Each of the people brought a cup of water. Each cup held enough water to fill ¼ of the bucket. How full was the bucket after they all poured their cups in? _____

Explain your answer.

☺ ☺   6. Rebecca is looking for a two-bedroom apartment. In one apartment, the master bedroom is 14¾ feet wide and the other bedroom is 12⅔ feet wide. Round the fractions to the nearest whole foot to find *about* how much wider the first bedroom is.

Answer: It's about _____ feet wider.

☺ ☺   7. Tonight's homework has 6 problems. Jake has ⅔ of his homework done, and Beth has $\frac{5}{6}$ of hers done. Who has more homework completed? _____   How much more, as a fraction, has that person done? _____   Draw a picture to show how much more that person has done.

☺ ☺ ☺   8. If you begin with a certain one-digit number and follow the arrows, you will end with the starting number. Write the number in the box.