

# MATH SUPERSTARS – 3

Mars, XXI

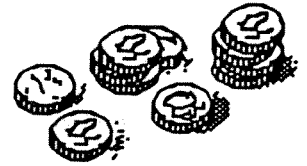
Name: \_\_\_\_\_  
(This shows my own thinking.)

- ★★ 1. Todd has a number riddle for Bill. Solve it.

*I am an odd number. I am greater than the sum of 6 and 9. I am less than the sum of 9 and 9. What number am I?*

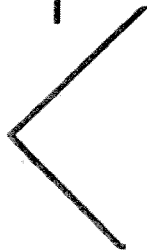
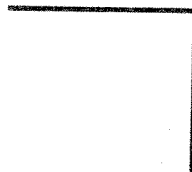
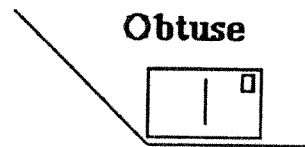
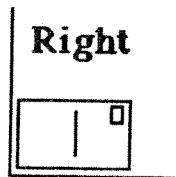
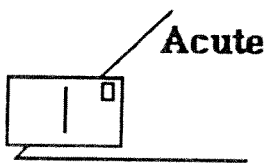
Answer: \_\_\_\_\_

- ★★ 2. Maria had 28 pogs. Her brother, José, had 12 pogs. Maria gave some of her pogs to José. Now they have the same number of pogs. How many pogs do they each have now?



Answer: \_\_\_\_\_ pogs each

- ★★★ 3. A *right angle* is exactly like the corner of a postcard. An *acute angle* is smaller than a right angle. An *obtuse angle* is larger than a right angle. Each angle is illustrated below. Study them a while and then write inside the angles: *acute*, *right*, or *obtuse*.



- ★★ 4. Find the missing number in this number sentence. Write the number in the box.

$$634 - \square = 509$$

- ★★ 5. Circle the best estimate of the total number of milliliters in all these test tubes. Each test tube holds 59 milliliters.



Answer choices:

- a. 59 milliliters   b. 60 milliliters   c. 1000 milliliters   d. 900 milliliters

- ★★★ 6. Mr. Brown is building 6 shelves in his garage. Each shelf is 8 feet long and costs \$2 per foot. He buys 12 brackets to hang the shelves for \$2 each. How much does he spend for his shelves and brackets?

Answer: \_\_\_\_\_

- ★★★ 7. What digits would make the sentences true? List each possible number.

a.  $562 > 5 \square 2$  Answer: \_\_\_\_\_

b.  $385 < 38 \square$  Answer: \_\_\_\_\_

c.  $472 = \square 7 2$  Answer: \_\_\_\_\_

- ★★★ 8. Make 3 rectangles or squares that have a perimeter of 20 units. The *perimeter* is the distance around the edge of a shape. Shade your shapes so that they can be seen easily.

