

# MATH SUPERSTARS – 5

Saturn, I

Name: \_\_\_\_\_

(This shows my own thinking.)

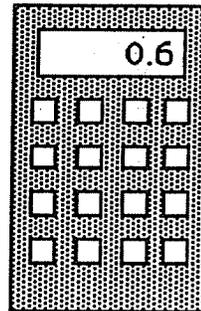
- ★★★ 1. A worm is at the bottom of a 10 foot hill. He crawls up the hill  $4\frac{1}{2}$  feet a day. At night when he rest he slides down  $2\frac{1}{2}$  feet. How long does it take the worm to crawl up the hill? (Hint: Draw a picture.)



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

- ★★ 2. Jennifer was shopping, and using a calculator to find the price of a can of soda. She got the number shown on the display, but didn't know exactly how much money that was. How much money would the can of soda cost? Circle the best answer below.

- (a) \$6
- (b) \$.06
- (c) \$0.60
- (d) 60¢
- (e) 0.60¢
- (f) both (c) and (d) above



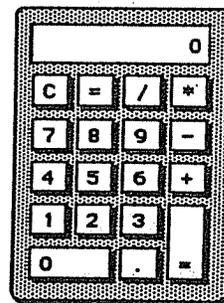
- ★ 3. If the 9th day of a month is on Tuesday, on what day is the 25th?

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

- ★★★ 4. Put one digit from {1, 0, 3, 7} in each box to get the correct long division problem.

$$\begin{array}{r} 43 \\ \square \overline{) \square \square \square} \end{array}$$

- ★ 5. Use this calculator in geometry. Circle two sides you could use to draw a set of *parallel* lines.



- ★★ 6. Use a ruler and measure the pencil below to the nearest millimeter.



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

- ★★★ 7. Mrs. Jones had some white paint and some green paint, and a bunch of wooden cubes. Her class decided to paint the cubes by making each face either solid white or green. Juan painted his cube with all 6 faces white--Julie painted her cube solid green. Hector painted 4 faces white and 2 faces green. How many cubes could be painted in the fashion, so that each cube is different from the others? Two cubes are alike if one can be turned so that it exactly matches, color for color on each side, the other cube.

Answer: \_\_\_\_\_ cubes can be painted so they are different

- ★★ 8. Letia bought a milk shake at the ice cream shop, and gave the clerk a \$10 bill. She got \$9.61 in change. Is this reasonable? Why or why not?

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

- ★★★ 9. The sum of my two digits is 13. I am not divisible by 2. List all possible numbers I could be.

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