

# SUPERSTARS III

Neptune, I

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

(This shows my own thinking.)

- ★ 1. A student scores 85, 79, 92 and 100 on her math quizzes. What was her average grade?

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

- ★★ 2. Stella bought 4 pencils at the school bookstore. She gave the clerk \$2 and received 16¢ in change. How much did she pay for each pencil?



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

- ★★ 3. The circle graph shows Tom's daily activities, and the percentage of time he spends on each.

a. Which two activities together take up half Tom's time?

b. Which activity takes twice as much time as studying?



Answer: a. \_\_\_\_\_ and b. \_\_\_\_\_

- ★★★★ 4. Russell finds out the winner of the school talent show at 4:00 P.M. on Friday. He calls two seventh grade friends at 4:15 P.M. to tell them. By 4:30 P.M. they each call two 7th grade friends. If each person who is called calls two more 7th graders every fifteen minutes, when will all 176 seventh grade students know the winner?

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

★ 5. One number is 7 less than another. Their product is 60. What are the two numbers?

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

★★★ 6. How many different whole numbers can be made with the digits 1, 2, and 3? Any number you make can have 1, 2, or 3 digits in it but you may not repeat a digit in any one number.

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

★★ 7. A rectangular yard 80 feet by 60 feet has a fence with a post on every corner and another post every five feet. How many posts are needed for the entire fence? Use the drawing below if it helps.



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

★★ 8. The blueprint for landscaping a yard has a scale of  $\frac{1}{2}$ " to 1 foot. If the blueprint is a rectangle 18 inches by 22 inches, what are the dimensions of the yard?

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

★★ 9. A miniature television is placed on a scale as shown to the right. Then a helium balloon is added. The helium balloon has negative weight since it pulls up on the scale. What is the weight of the helium balloon?

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

