

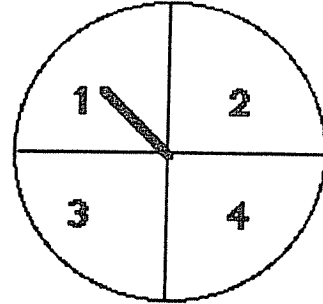
# MATH SUPERSTARS – 5

Saturn, VI

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

(This shows my own thinking.)

- ★★ 1. The Adams family uses a spinner each night to see who does the dishes. Carla is assigned number 4.
- a. What is Carla's chance of having to do the dishes on any given night? \_\_\_\_\_
- b. What is Carla's chance that she won't have to do the dishes on any given night? \_\_\_\_\_



- ★★★★ 2. Bonita has 6 coins. All of them are pennies or dimes. What are the possible amounts of money she might have?

Answer: She might have \_\_\_\_\_¢, \_\_\_\_\_¢, \_\_\_\_\_¢, \_\_\_\_\_¢, \_\_\_\_\_¢, \_\_\_\_\_¢, or \_\_\_\_\_¢

- ★★ 3. Compute this answer.  $8 \times (7.5 + 2\frac{1}{2})$

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

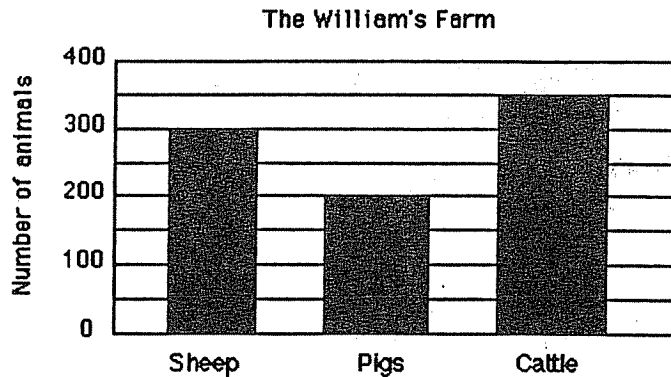
- ★★ 4. Solve this problem if you have enough information. If there is not enough information tell what you need to know in the space below.

*Kimberly orders a sweatshirt. The shirt costs \$25.99 plus the cost for mailing. Kimberly paid with a \$100 bill. How much change did she get back?*

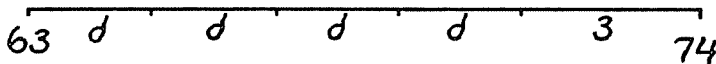
Answer: \_\_\_\_\_

- ★ 5. Use a ruler to draw a segment 52mm long, in the space below.

- ★★★ 6. Use the following graph to answer these questions.
- What is the total number of animals on the Williams' farm? \_\_\_\_\_
  - What is the difference in the number of cattle and the number of pigs? \_\_\_\_\_
  - How many more pigs do they need to equal the total number of cattle and sheep? \_\_\_\_\_



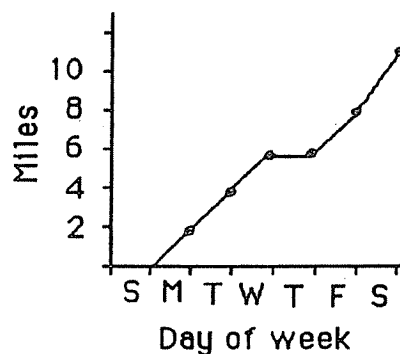
- ★★ 7. Maria's bike odometer read 63 miles. She rode her bike to school and back 4 days last week. On Saturday she rode to the park and back, a total distance of 3 miles. At the end of those five trips, her odometer showed 74 miles. Find the distance  $d$  from her house to school and back. You can find  $d$  by using your number sense and the diagram below.



Answer:  $d =$  \_\_\_\_\_ miles

- ★★ 8. Maria made a graph of the distance she travelled last week on her bike between school and home. Which day of the week did she not ride her bike to school?

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



- ★★ 9. There are 34 classes in a school and each class could have between 23 and 30 children.
- What is the school's highest possible student population? \_\_\_\_\_
  - What is the school's lowest possible student population? \_\_\_\_\_