

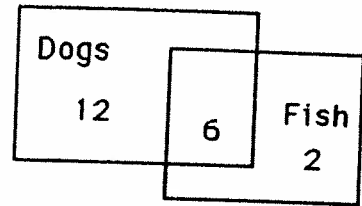
MATH SUPERSTARS – 5

Saturn, XVIII

Name: _____

(This shows my own thinking.)

- ★★ 1. In the third grade, some students have pets that are dogs, some have fish, and some have both. Use the Venn diagram to answer the questions.



- a. How many students have fish? _____
 b. How many students have fish and a dog? _____

- ★★ 2. You ran 1.5 miles before you decided you were running in the wrong direction. You turned around and ran back to where you started. Then you ran 2.75 miles in the other direction. How many miles did you run in all?

Answer: _____ miles

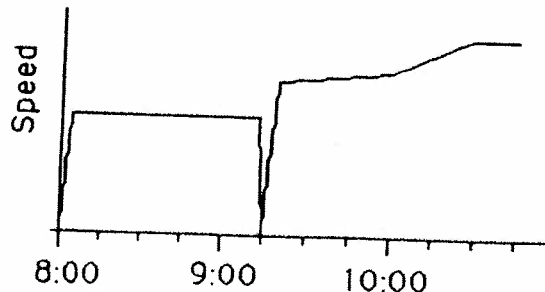
- ★★ 3. It takes about 735 turns of an average 5th grader's bicycle tire to go 1 mile. To the nearest thousand, how many times would your tire turn around if you biked beside the runners in a 26-mile marathon?



Answer: _____ turns

- ★★★ 4. The graph below shows what a bicycle's speed might look like for a 26-mile marathon. The race started at 8:00 AM. Answer these questions about the graph.

- a. How long did the race last? _____ hours and _____ minutes
 b. At what time did the rider stop to get water? _____ A.M.
 c. What is happening to the rider's speed between 10:00 and 10:30? _____



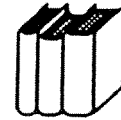
- ★★★ 5. Mrs. Jones' science class had to record the total amount of rain that fell the last week of school. It rained 1.66 inches on Monday, 0.23 inches on Tuesday, 0.76 inches on Wednesday, 1.2 inches on Thursday, and the skies were clear on Friday. What was the average amount of rain that fell daily from Monday to Friday? Round your answer to the nearest hundredth.

Answer: _____ inches

- ★ 6. Take a sheet of paper and fold it in half, fold it again, fold it again, fold it again, and then fold it again in half. If you opened the paper, how many sections would you have?

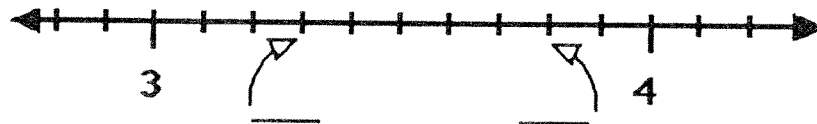
Answer: _____ sections

- ★★ 7. During the summer, Julio promised his Dad he would read 3 novels every 2 weeks. How many novels would that be during the 3 months of summer? (use 12 weeks for 3 months)



Answer: _____

- ★★ 8. Write two numbers in the spaces below to show what the two "tick marks" stand for on the number line, between 3 and 4.



- ★★★ 9. Mary had 10 yards 2 feet of ribbon. She needed to cut pieces for her 3 friends. If each friend got the same amount of ribbon, how much did each get? In your answer, there cannot be more than 12 inches

Answer: _____ yards, _____ foot, _____ inches

(Note: in your answer, inches must be converted to feet, if possible, and feet to yards.)