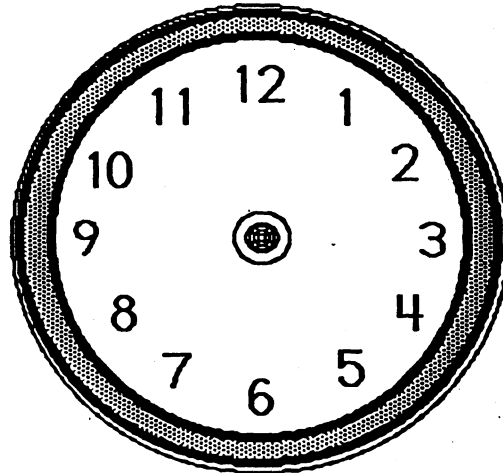


SUNSHINE MATH - 7
Neptune, XXIII

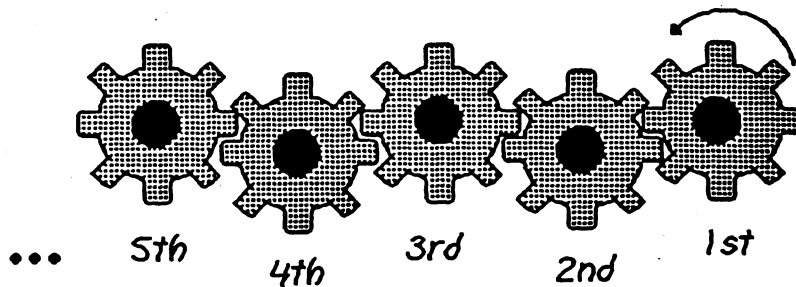
Name: _____

(This shows my own thinking.)

- ★★ 1. Draw hands on the clock to show 200 minutes before 2:00 P.M.



- ★★★★ 2. Think of how the 5 gears below would turn each other—clockwise or counterclockwise—before answering the questions. The 1st gear turns counterclockwise.

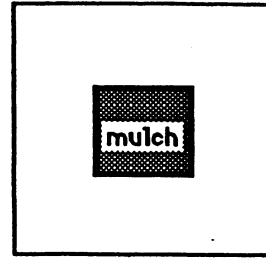


- a. In what direction would the 2nd gear turn? _____
- b. In what direction would the 3rd gear turn? _____
- c. In what direction would the 4th gear turn? _____
- d. In what direction would the 10th gear turn? _____

- ★★ 3. A school offers 2 foreign languages, French and Spanish; 2 computer classes, Logo and BASIC; and 3 physical education classes, volleyball, swimming, and archery. How many different student schedules can be made using exactly one of each of these types of classes?

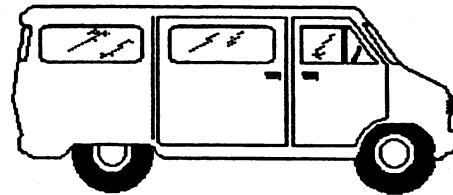
Answer: _____

- ★★★★ 4. A man has a 10 meter by 10 meter square garden. In the center is a 4 meter by 4 meter square patch he will use as a mulch pile. He uses the remainder for growing carrots, tomatoes, cucumbers and celery. Show in the drawing how to divide the growing land into 4 congruent rectangles, and tell what length and width each will be.



Answer: The length of each rectangle is ___ m
and the width is ___ m.

- ★★ 5. What must be the rate in miles per hour of a truck, if it wants to make a 20 mile trip in 40 minutes?



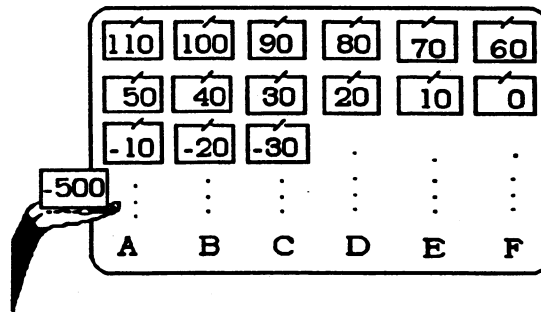
Answer: _____

- ★ 6. If $X = 6 + 4 + 3 + 1 + \frac{1}{2}X$, then X must equal:

Answer: $X =$ _____

- ★★★★ 7. In which column should -500 go on this chart?

Answer: _____



- ★★★★ 8. Write and solve an equation to find the weight of 1 ball b .

Answer: An equation is: _____

The solution is: $b =$ _____

