

MATH SUPERSTARS – 5

Saturn, IV

Name: _____

(This shows my own thinking.)

- ★★★ 1. One, three, and six are triangular numbers. List all the other triangular numbers up to 36.

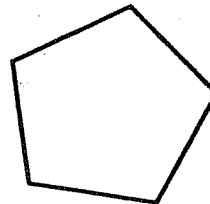


Answer: _____

- ★★ 2. Jennifer earns \$5.25 an hour. Starting Monday she will get a raise to \$5.85 an hour. She works 40 hours each week. How much more will she make next week than she made last week?

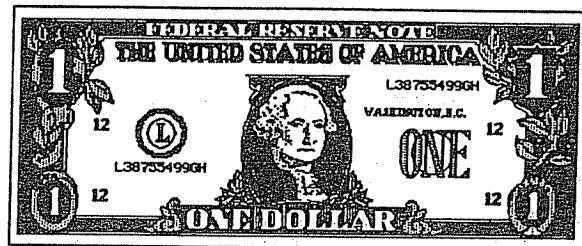
Answer: _____

- ★★ 3. A diagonal joins two vertices of a polygon. Draw all the diagonals in the polygon to the right.



- ★★ 4. Marti plans to save 25% of the money she makes over the summer washing cars.

a. Shade in about 25% of the figure to the right to show how much she will save from every dollar she earns.



b. How much will Marti save for each car she washes for \$5?

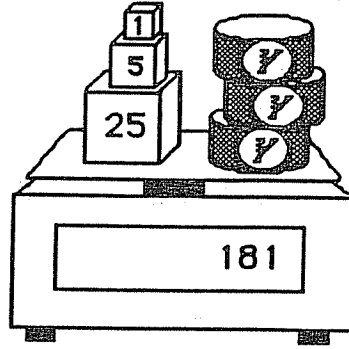
Answer: _____

- ★★ 5. The Phillips family wants to fence their backyard. They know the yard has a perimeter of 24 meters, and an area of 32 square meters. What is the yard's length and width?

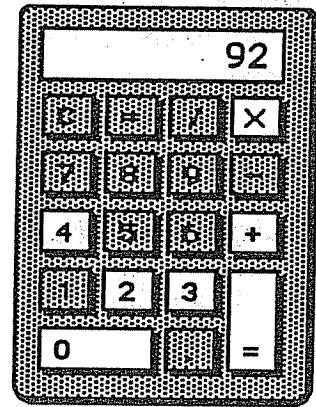
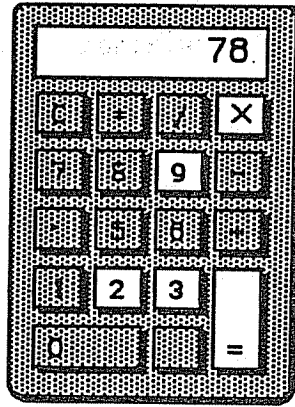
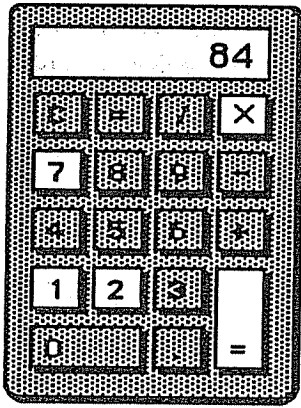
Answers: The length is _____ meters, and the width is _____ meters.

- ★★★ 6. Y stands for the weight of 1 can of tuna fish on the scale. Find Y .

Answer: $Y = \underline{\hspace{2cm}}$

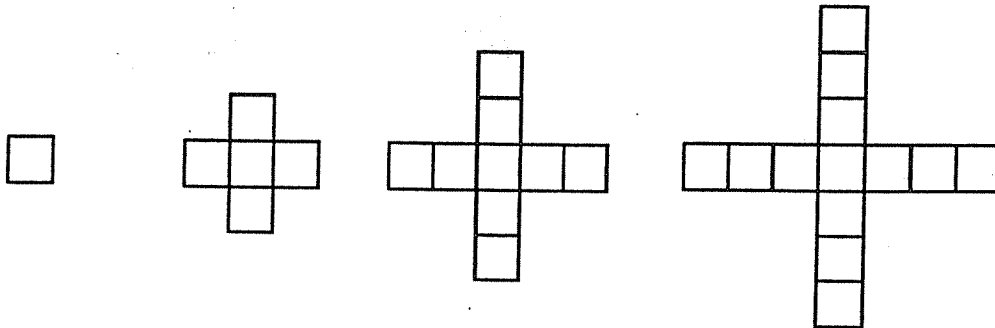


- ★★★ 7. Write the problems and answers below each calculator:



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- ★★★ 8. Look at the pattern below. How many squares would be in the 10th shape in the pattern?



Answer: squares