

MATH SUPERSTARS - 5

Saturn, V

Name: _____

(This shows my own thinking.)

- ★★ 1. Big Al has a set of non-metric wrenches that have these numbers on the end:

$$\frac{7}{16} \quad \frac{1}{4} \quad \frac{9}{16} \quad \frac{3}{8} \quad \frac{5}{16} \quad \frac{1}{2}$$

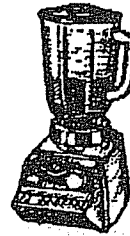


Which of his wrenches fits the largest nut? Which fits the smallest nut?

Answer: _____ fits the largest

_____ fits the smallest

- ★★ 2. Jennifer bought a blender for her mother. The blender was on sale for $\frac{1}{3}$ off the marked price. The regular price of the blender was \$18.00. How much will she pay for the blender, including sales tax of 6%?



Answer: _____

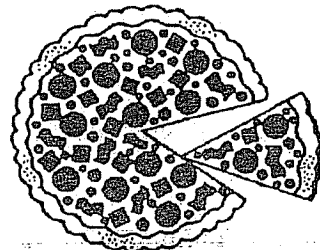
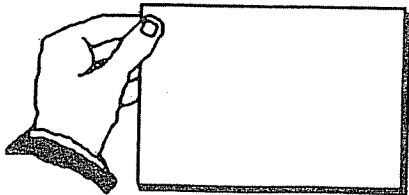
- ★★ 3. Melissa and Sarah arranged the music hall for a concert. They made 42 rows with 35 chairs in each row, and 12 rows with 25 chairs per row. How many chairs did they use in all?

Answer: _____ chairs

- ★★ 4. The "square corners" on a sheet of writing paper are 90 degree angles. You can use these corners to estimate the measure of other angles.

About what is the angle of the piece of pizza being removed in the picture?

Answer: _____ degrees



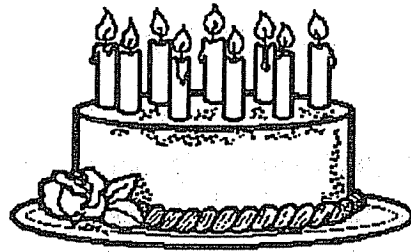
- ★★ 5. In the month of April 9.45 inches of rain fell in Tallahassee. During the month of May 9.6 inches of rainfall fell. Which month had the most rainfall, and what was the total for the two months?

Answer: _____ had the most; the total was _____ inches

- ★★ 6. Complete the addition. Convert your answer to smallest units. (i.e., change inches into feet and feet into yards, if possible)

$$\begin{array}{r} 2 \text{ yd. } 2 \text{ ft. } 3 \text{ in.} \\ + 1 \text{ yd. } 2 \text{ ft. } 11 \text{ in.} \\ \hline \end{array}$$

- ★★ 7. Eli's Dad made him a birthday cake, but forgot to buy candles. He could only find a few. But Eli was smart in math, so his Dad said "The ratio of candles to years is 3 to 5." That gave him the right number.

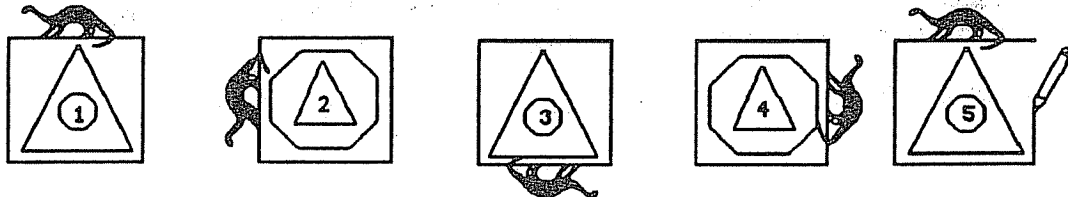


How old was Eli? _____

- ★★★ 8. Kenya, Matt, Tia, and Justin live on the same street. Their houses are gray, green, blue, and white, but not necessarily in that order. Justin lives next door to the grey house. Matt and Justin live across the street from the green house. Tia's house is blue. Circle the one who lives in the white house.

a. Kenya b. Matt c. Tia d. Justin

- ★★★ 9. Answer the questions after studying this pattern. Notice when the pattern starts repeating.



- a. Circle the figure above that would be the same as figure 15 in the pattern.
- b. List the numbers of 5 figures not shown that would be just like number 1: _____
- c. What is the number of the figure above that is just like the 100th figure in line? _____