

MATH SUPERSTARS - 6

Uranus, XIX

Name: _____

(This shows my own thinking.)

- ★★ 1. A football player ran from his own 38-yard line to the other team's 40 yard line. How long was his run?

Answer: _____ yards

- ★★ 2. Ryan can walk to school in $\frac{6}{15}$ of an hour. When he rides his bike, he can get there in 8 minutes. Can Ryan get to school quicker by walking or by riding his bike? How many times faster?

Answer: a) Ryan can get to school faster by _____.

b) _____ times faster.

- ★★★★ 3. Look at the equations to the right:
A, B, C, and D are whole numbers.

$$A \times B = 24$$

$$A + B = 14$$

$$C \times D = 48$$

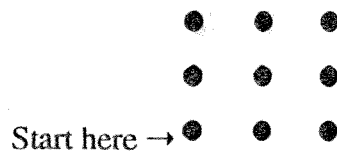
$$A \times D = 192$$

$$B \times C = 6$$

What number is A? _____ What number is B? _____

What number is C? _____ What number is D? _____

- ★★ 4. Start as shown. Draw only 4 straight lines to connect all 9 dots. Do not lift your pencil until all the dots are covered.



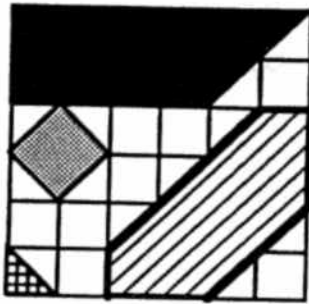
- ★★ 5. Maria and Sarah are cutting strips of fabric for streamers to use in the P.E. show. Each strip needs to be $2\frac{1}{4}$ inches wide. How many strips can they cut from 6 feet of fabric if they cut from selvage to selvage?

Answer: _____ strips can be cut.

★★ 6. Write the missing digits in the problem:

$$\begin{array}{r}
 \square \square 3 \\
 19 \overline{) \square 3 \square} \\
 \underline{\square \square} \\
 \square \square \\
 \underline{\square \square} \\
 \square \square \\
 \underline{\square \square} \\
 0
 \end{array}$$

★★★★ 7. Assume the area of the big square is 36 cm^2 . Name the areas of the parts described.



Black region: _____ cm^2
 Dotted region: _____ cm^2
 Striped region: _____ cm^2
 Crossed region: _____ cm^2

★★ 8. If you shot 3 arrows at this target and all 3 arrows hit the bull's eye, you would score 15 points.

If exactly 3 arrows hit this target, how many different total scores are possible?

Answer: _____

