

# SUPERSTARS III

*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.

$$A \times B = 24$$

$$A + B = 14$$

$$C \times D = 48$$

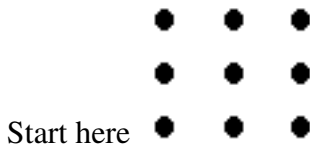
$$A \times D = 192$$

$$B \times C = 6$$

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.



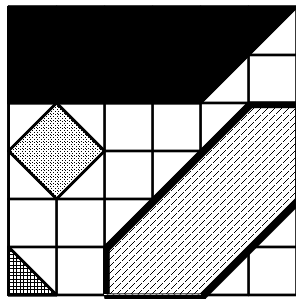
★★★5. Maria and Sarah are cutting strips of fabric for streamers to use in the P.E. show. Each strip needs to be  $2\frac{1}{4}$  inches wide. How many strips can they cut from 6 feet of fabric if they cut from selvage to selvage?

Answer: \_\_\_\_\_ strips can be cut.

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

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

★★★★7. Assume the area of the big square is  $36 \text{ cm}^2$ . Name the areas of the parts described.



Black region: \_\_\_\_\_  $\text{cm}^2$   
 Dotted region: \_\_\_\_\_  $\text{cm}^2$   
 Striped region: \_\_\_\_\_  $\text{cm}^2$   
 Crossed region: \_\_\_\_\_  $\text{cm}^2$

★★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: \_\_\_\_\_

