

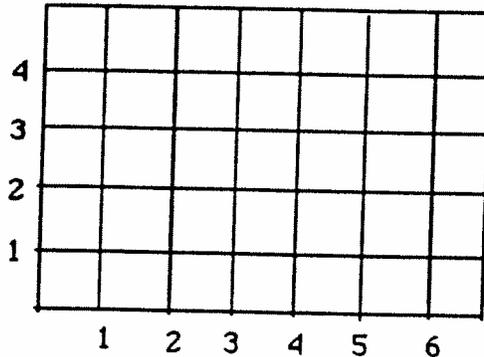
MATH SUPERSTARS – 4

Jupiter, XVII

Name: _____
(This shows my own thinking.)

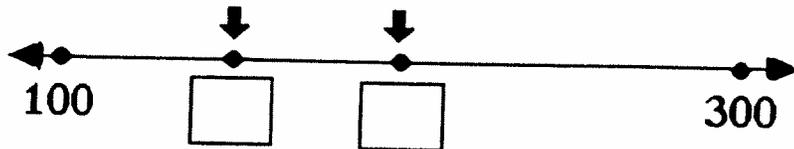
- ★★★ 1. Make big dots on the grid for the following ordered pairs, and label them A, B, C, or D.

A is (2,4); B is (6,4); C is (6,1); D is (2,1)



- Connect A to B to C to D to A with a heavy pencil line.
- Name the shape you drew. _____
- Give the *area* of the shape in square units.
_____ sq. units

- ★★ 2. Write in the boxes the numbers to show the arrows' positions on the number line.

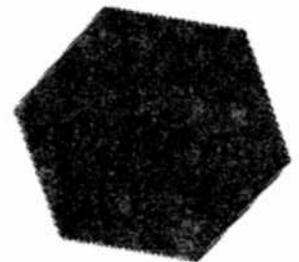


- ★★ 3. The *Guinness Book of World Records* states that the largest pumpkin on record weighed 671 pounds. If this pumpkin was lifted onto the scales by 11 fourth graders, on average, how much would each student be lifting?

Answer: _____ pounds

- ★★★ 4. The computer tables in a classroom were placed together to form the polygon pictured to the right.

- Name the polygon that was formed. _____
- How many angles does this polygon have? _____ angles
- Are the angles *acute*, *obtuse*, or *right*? _____



- ★★ 5. In the United States, every 57 minutes an underage drinker is involved in a traffic fatality. A recent report urges a crackdown on teen-age drinking and driving. Estimate the number of underage drinkers involved in traffic fatalities each day.

Answer: _____

- ★ 6. Decide if an estimate or a precise calculation is appropriate for each situation. Write "estimate" or "precise calculation" in the answer spaces. Use each term once.

Situation 1: *Checking the change you receive after paying for lunch.*

Answer: _____

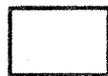
Situation 2: *Planning the time it will take to travel from one town to another on a trip.*

Answer: _____

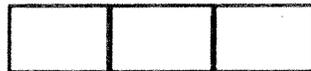
- ★★★★ 7. Fill in the total number of rectangles found in each pattern below.

PATTERN

NUMBER OF RECTANGLES







6





- ★ 8. Describe how to find each "next number" of rectangles, without drawing the figure:

Answer: _____

- ★★ 9. How many total rectangles will there be if 7 small rectangles are used in the pattern?

Answer: _____