

MATH SUPERSTARS - 3

Mars, XV

Name: _____

(This shows my own thinking.)

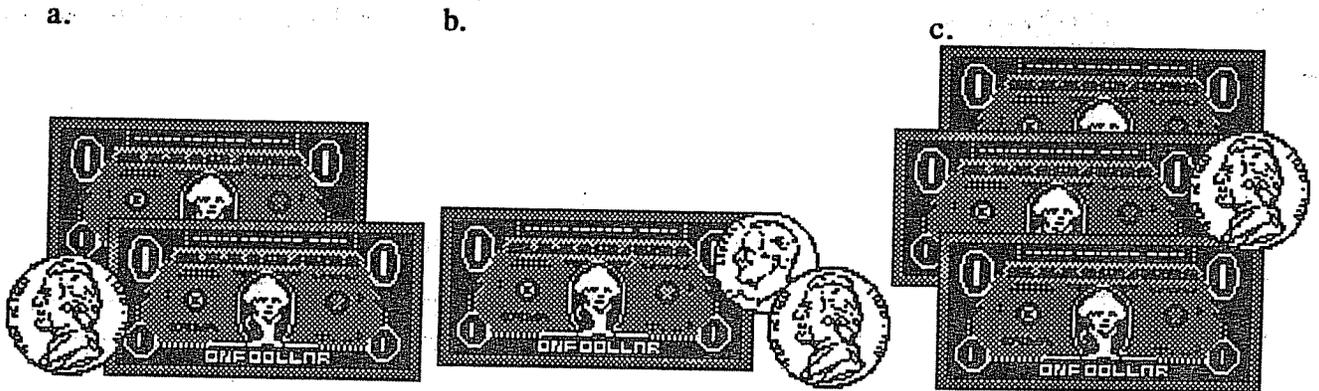
- ★ 1. Place the correct sign (=, <, or >) in the box.

$$81 \div 9 \quad \square \quad 5 \times 3$$

- ★★ 2. Ben has 5 marbles. Kate has 7 more marbles than Ben. Tina has 9 more marbles than Kate. Who has the greatest number of marbles? How many marbles do they have in all?

Answer: _____ has the greatest number; there are _____ marbles in all

- ★★★ 3. Ken is buying a bicycle with money he got for Christmas. The bicycle cost \$87.95. Which of the following is his change from the \$90.00 he gave the clerk? Circle the correct change.



- ★★★ 4. Find the value of each item used in the following sentences.

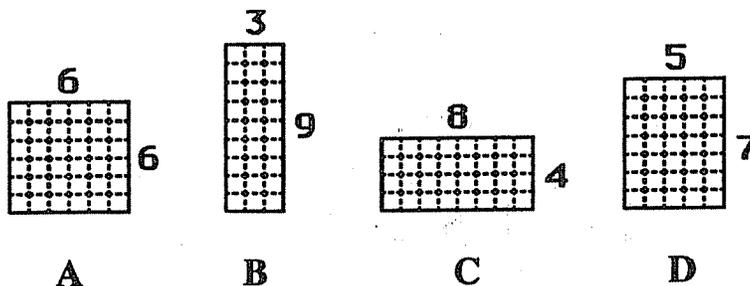
$$\text{Palm tree} + \text{Grape} = \$9$$

$$\text{Grape} + \text{Frog} = \$13$$

$$\text{Frog} + \text{Frog} = \$18$$

Answer:  = _____  = _____  = _____

- ★★★ 5. Mr. Smith is planning to fence his new garden. He has 24 feet of fencing to use around the perimeter of his garden. He wants the greatest *area* for his garden. Which of the following gardens will give him the greatest area? Circle your choice.



- ★★★ 6. Some nonsense names are given to a group of numbers that are alike in some way. This is an example:

These numbers are *kewees*: 54, 78, 112, 246, 480, 574, 942

These numbers are *not* kewees: 33, 67, 147, 259, 421, 505, 863

Which of these are *kewees*? 43, 58, 166, 369, 620, 891

Answer: _____

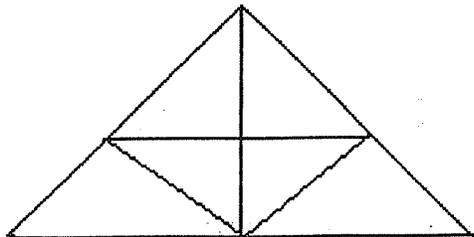
- ★★ 7. Sam asked Tim to find 3 consecutive even numbers whose sum is 48. The following are examples of consecutive even numbers that do *not* sum to 48:

$$2 + 4 + 6 = 12; \quad 4 + 6 + 8 = 18; \quad 6 + 8 + 10 = 24.$$

Help Tim by finding 3 consecutive even numbers whose sum is 48.

Answer: _____

- ★★★ 8. Look carefully at the triangle puzzle that Paul drew. How many triangles are there?



Answer: _____ triangles