

SUNSHINE MATH - 6  
Uranus, III

Name: \_\_\_\_\_

(This shows my own thinking.)

- ★ 1. The Adrians were going to grandmother's house for Thanksgiving. They traveled 283 miles in 6 hours. Did they average more or less than 50 miles per hour?

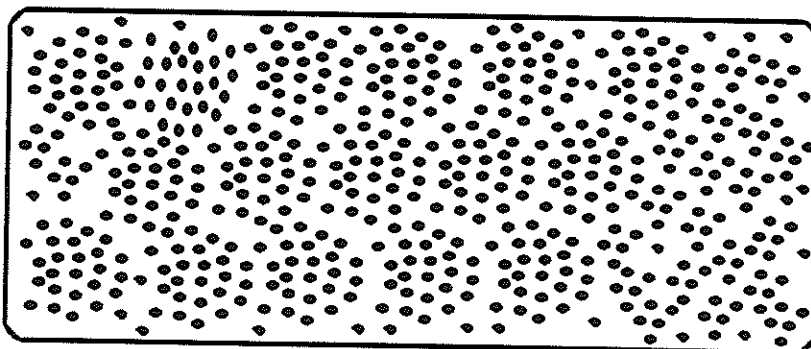
Answer: \_\_\_\_\_

- ★★★★ 2. Martha bought a \$60 skirt at 40% off and a \$40 blouse at 20% off. What percent discount did she receive on the total purchase?

Answer: \_\_\_\_\_

- ★ 3. Count the dots.

Answer: \_\_\_\_\_ dots



- ★★★ 4. When 3 times a certain number  $n$  is added to 6, the sum is 20 more than the original number. What is the number  $n$ ?

Answer:  $n =$  \_\_\_\_\_

- ★★ 5. On February 19, the temperature in Orlando was  $78^{\circ}$  Fahrenheit. In Fairbanks, Alaska, the temperature was  $-49^{\circ}$  F. What was the difference in these temperature readings?

Answer: \_\_\_\_\_  $^{\circ}$  F

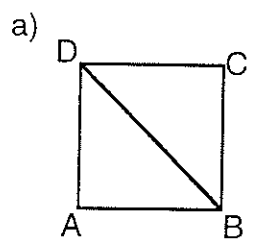
- ★★★ 6. Mrs. Gonzales has three children whose names are Javier, Juan, and Rosa. Their mean age is 11. Their median age is 10. Rosa is 15 years old. What is the age of the youngest child?

Answer: \_\_\_\_\_

★★★ 7. These values were used to find the total score for the figures in the examples below:

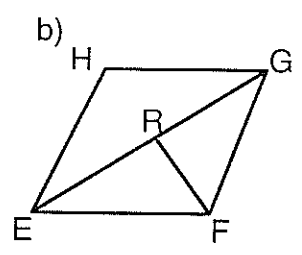
- Triangle = 3 points
- Quadrilateral = 4 points
- Pentagon = 5 points
- Hexagon = 6 points

Examples:



2 triangles  
1 quadrilateral

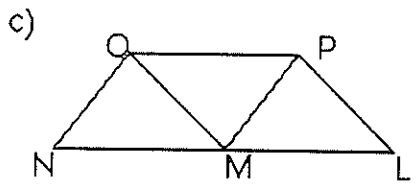
Score = 10



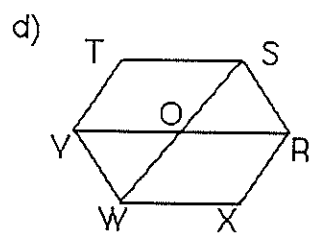
4 triangles  
1 quadrilateral  
2 pentagons

Score = 26      Total Score = 36

Now you do these. Find the total score for figures c and d. Add the scores for c and d and give the total score.



Score \_\_\_\_\_



Score \_\_\_\_\_      Total Score: \_\_\_\_\_

★ 8. Write what goes in the  if  $a = 4$ .

$$3 + a + 7 - 5 + 10 + a - a = \text{$$

★★★ 9. If two prime numbers differ by 2, they are called TWIN PRIMES. List all the twin primes less than 50.

Answer: 3 & 5, \_\_\_\_\_