

MATH SUPERSTARS – 3

Mars, XIII

Name: _____

(This shows my own thinking.)

- ★★ 1. Sue asked her friend to find the next 3 numbers in the sequence below. Write them on the blanks.

4, 9, 7, 12, 10, 15, 13, _____, _____, _____

- ★★ 2. Crystal has exactly \$2.40 in quarters, dimes, and nickels. She has the same number of each type of coin. What is that number?

Answer: _____ quarters, dimes, and nickels

- ★★★ 3. Tom, Alan, Bill, and Joe enjoy collecting insects. They made a graph to compare their collections. Study their pictograph and answer the following questions:

- a. Who has the largest insect collection? _____
- b. How many more insects does Alan have than Tom? _____
- c. Who has exactly half the insects that Bill has? _____

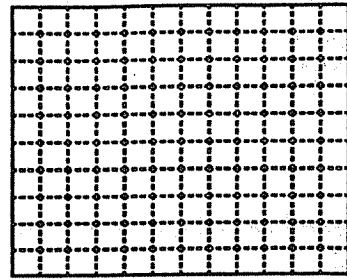
INSECT COLLECTIONS	
Tom:	♣ ♣ ♣
Bill:	♣ ♣ ♣ ♣ ♣ ♣
Alan:	♣ ♣ ♣ ♣ ♣
John:	♣ ♣ ♣ ♣

KEY: ♣ = 5 insects

- ★★ 4. Ted started his homework when he got home from school. He worked 45 minutes on his homework. He then walked the dog for 30 minutes. It was 5:00 when he finished walking the dog. At what time did he get home and start his homework?

Answer: _____

- ★★ 5. Brenda wants new carpet in her room. Her father told her to find the area of the room so they would know how much carpet to buy. Look at the drawing of her room and find the amount of carpet she needs. (*Area* is number of square feet in her room.)

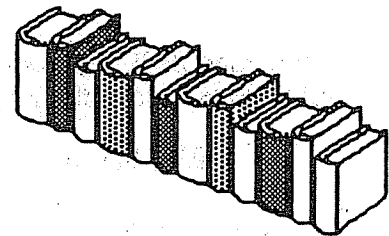


Answer: _____ square feet.

- ★★ 6. Quentin has a bag of numbered blocks. Each of the blocks has a 2, 3, 4, 5, or 6 on it. He pulled 4 different blocks from the bag. The total of the numbers on the 4 blocks was 18. What blocks did he pull out?

Answer: _____

- ★★ 7. Ellen was dusting her bookcase. The top shelf has 16 books. The second shelf has 23 books. The third shelf has 21 books. The bottom shelf has 28 books. She rearranged the books and put the same number on each shelf. How many books were on each shelf then?



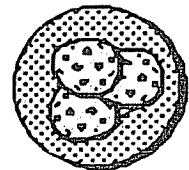
Answer: _____ books

- ★★★ 8. Pam gave her friend Tammy the number riddle below. Solve it.

I am a 2-digit number less than 84. The sum of my digits is 9. The ones digit is twice the tens digit. What number am I?

Answer: _____

- ★★ 9. There were 3 cookies on a plate. Henry ate $\frac{1}{3}$ of the cookies on the plate. Marsha ate $\frac{1}{2}$ of what was left. How many cookies were left for Art to eat?



Answer: _____ cookies