

SUPERSTARS III

Mars, VII

Name: _____

(This shows my own thinking.)

- H 1. Find the mystery number (?) using the relationships shown:

$28 : 7$

$20 : 5$

$16 : 4$

$12 : ?$

Answer: _____

- HH 2. John is helping his father box up used golf balls for a special sale. Each box will hold 6 golf balls. How many boxes will they need to box up 52 golf balls?

Answer: _____ boxes

- HHH 3. Solve the following magic squares. The sum across each row, and down each column, must be the same sum as the sum along the diagonal. **(Place the numbers in the boxes)**

	1	8
	5	3
2		

12		14
	11	
	15	10

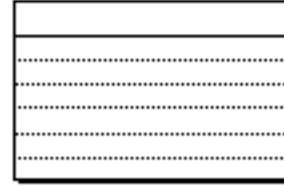
- HHH 4. Ricardo is 4 years older than his sister Rosa. If their ages are added together, the sum is 14. What are the ages of Ricardo and Rosa?

Answer: Ricardo is _____ years old.

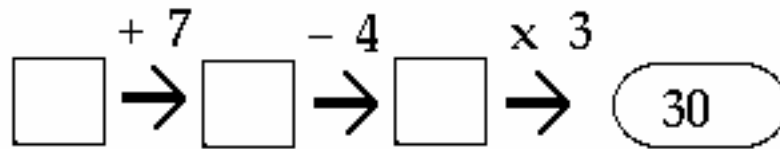
Rosa is _____ years old.

HHHH 5. An index card is shown to the right. How many rectangles are formed on this card?

Answer: _____ rectangles



HH 6. What is the starting number in this puzzle?



Answer: _____

HH 7. How many 3-digit numbers can be made using the following digits only once in each number?

Use the digits: **2, 3, 4**

Answer: _____ numbers can be made

HHH 8. Pam is using beads to make a necklace. The bowl contains 40 yellow beads, 20 blue beads, and 40 red beads. If she uses *half* of each color that is in the bowl, how many beads of each type will she use?



Answer: She will use _____ yellow, _____ blue, and _____ red beads.