

MATH SUPERSTARS – 3

Mars, XXII

Name: _____

(This shows my own thinking.)

- ★★★ 1. Watch how Marcus divides in his head:

To do $24 + 2$, I follow these steps:
1st: $20 + 2 = 10$
2nd: $4 + 2 = 2$
3rd: $10 + 2 = 12$
So $24 + 2 = 12$



Practice these problems the way Marcus does them. Write your answers below:

$84 + 2 =$

$43 + 2 =$

$36 + 2 =$

- ★★ 2. Draw a figure with 8 sides and 8 angles.

- ★★★ 3. How many squares are inside the circle?

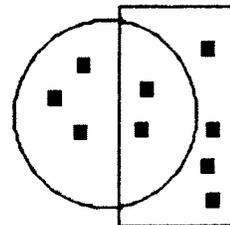
Answer: _____

How many squares are inside the rectangle?

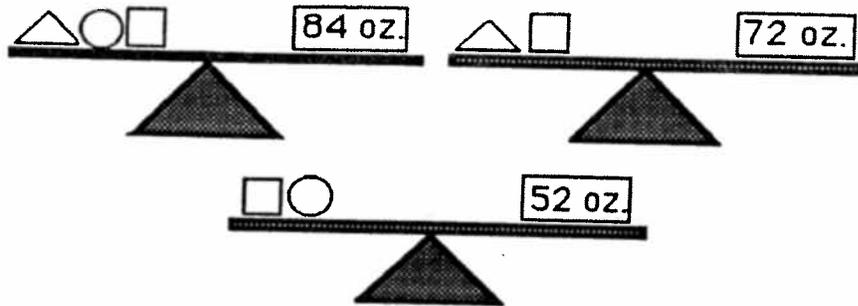
Answer: _____

How many squares are inside the circle *and* rectangle?

Answer: _____



★★★ 4. How much does each item weigh?



Answer: Triangle: ____ oz. Square: ____ oz. Circle: ____ oz.

★★ 5. Matthew brought paper cups for the class party. He used 12 for juice, 17 for soft drinks, and 5 for milk. How many cups did he use?

Answer: _____ cups

★★★ 6. Amberly's mother said she could order one sandwich and one drink from the menu. How many different combinations can Amberly order?

<u>Sandwiches</u>	<u>Drinks</u>
Hamburger	Iced tea
Reuben	Soft drink
Grilled cheese	Milk

Answer: _____

★★ 7. The third grade class needs to make cocoa to serve 36 people. How many cups of milk will they need?

Answer: _____ cups

<u>Party Cocoa</u>	
<u>18 servings</u>	
1 cup cocoa	2 cups water
1 cup sugar	12 cups milk
pinch of salt	18 marshmallows

★★ 8. At Wright Elementary, many children walk to school. Janie walks $\frac{1}{2}$ mile. Katie walks $\frac{1}{3}$ mile. Joshua walks $\frac{1}{4}$ mile. Who has the longest walk?

Answer: _____