★★ 1. Charles likes to draw and thinks he will become an architect one day. He is always concerned about the size of the objects he draws. Charles said the areas of the window and picture below were about 27 square units and $23\frac{1}{5}$ square units, respectively. Was he correct? Why or why not?

Answer: _____
_____
_____
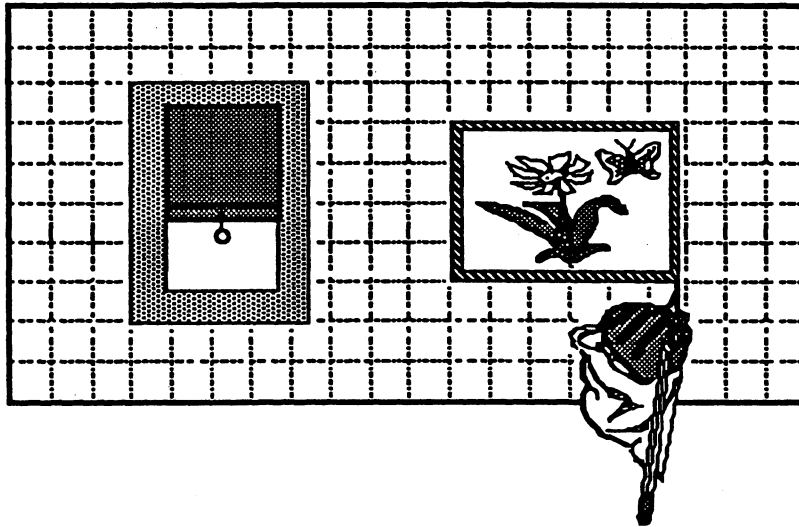
★★★ 2. Farmer Brown had some animals. One-fourth were horses, one-half were cows, and the rest were pigs. He had 8 pigs. How many animals did he have altogether?

Answer: _____

★★★ 3. To change a Fahrenheit temperature to a Celsius temperature, follow these steps:

> • *Subtract 32 from the Fahrenheit temperature.*
> • *Divide by 9.*
> • *Multiply by 5.*
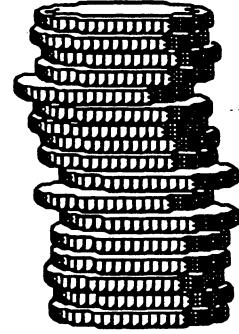
Use the steps to write the Celsius temperature for each of these Fahrenheit readings:

a. 59°F is _____ °C   b. 86°F is _____ °C   c. 122°F is _____ °C

★★ 4. Marilyn used the steps above, and got a Celsius temperature of 60°. What was the Fahrenheit temperature she started with? _____

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★ 5. How much is this stack of quarters worth?

Answer: _____

★★ 6. The Adams family wants to take a trip to Disneyworld, but can't decide what month to go. They decide to write the names of the months on 12 pieces of paper and put them in a hat. They will draw one piece of paper without looking -- that is the month they will travel.

a. What is the chance they will go during the summer months of June, July or August? _____

b. What is the chance they will go during the school year, September through May? _____

★★ 7. Shown to the right is the way 1 square inch of a newspaper would look, when enlarged so you can see the tiny dots. About how many dots are there per square inch, in a newspaper? Circle the best choice.

a. 100   b. 500   c. 1000   d. 1500
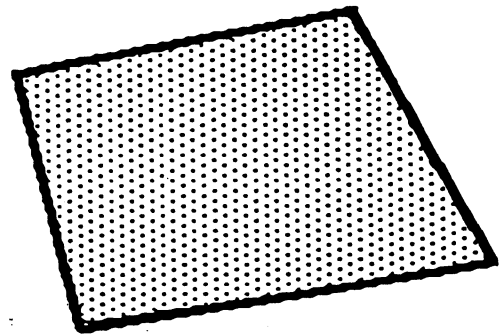
★★★★ 8. Consider each of the following. Can the equation 6 x 3 + 4 = 22 represent any of these statements? Circle "yes" or "no" beside each statement below.

yes   no   a. Six tickets at $3 each plus a $4 ticket costs $22.

yes   no   b. Six $3 lunches and a $4 tip come to $22.

yes   no   c. A bike trip of 6 miles in 3 weeks, and 4 more weeks, is 22 miles.

yes   no   d. Six 3-k races, plus a 4-k race, means he ran 22 kilometers that month.

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