

MATH SUPERSTARS - 4

Jupiter, V

Name: _____

(This shows my own thinking.)

- ★★★ 1. A normal person blinks about 25 times per minute when awake.
- How old will you be on your next birthday?
 - To the nearest million, how many times will you have blinked on your next birthday? Assume you sleep 8 hours each day.

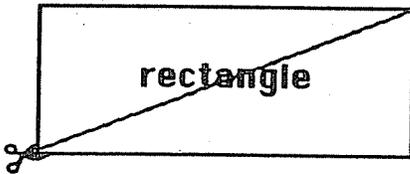


Answers: (a) _____ (b) _____

- ★★ 2. Pablo has \$3.15 in dimes and quarters. He has more quarters than dimes. How many quarters and dimes does he have?

Answer: _____ quarters and _____ dimes

- ★★★★ 3. Use a centimeter ruler and a separate sheet of paper to draw an 8 cm. by 6 cm. rectangle. List its perimeter on the table below. Then cut out the rectangle and also cut along the diagonal as shown in the picture below. Use your two pieces to create 4 new geometric shapes. After making each shape, determine its perimeter. Below list the names of the shapes made and their perimeters.



SHAPE	PERIMETER
rectangle	_____
_____	_____
_____	_____
_____	_____
_____	_____

- ★★ 4. Fill in the missing digits:

$$\begin{array}{r}
 4 \square 6 8 \\
 5 \square 6 \\
 + \square 9 4 \square \\
 \hline
 1 1, 1 1 1
 \end{array}$$

- ★ 5. *Century* is to *decade* as *dollar* is to: (a) penny (b) nickel (c) dime (d) quarter

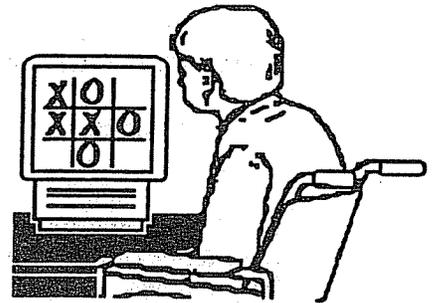
Answer: _____

- ★★ 6. Roberto ate 3 pieces of a pizza and then felt that he should pay $\frac{1}{4}$ of the cost because that's the fraction he ate. How many pieces was the pizza cut into?

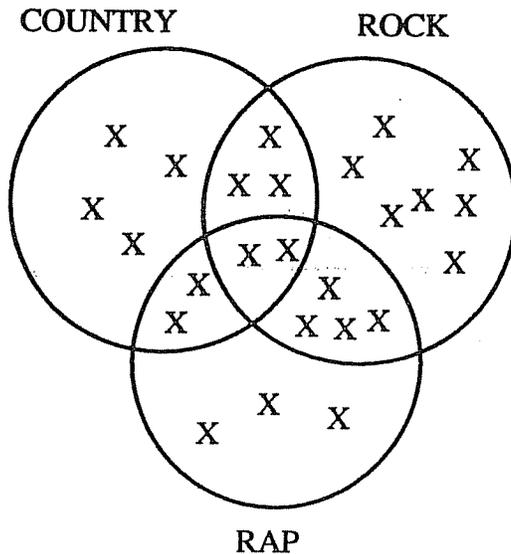
Answer: _____ pieces

- ★★ 7. Thomas is playing tic-tac-toe with a computer. It is the computer's turn to place an "X" on the board. If the computer makes its moves at random in the open spaces, what is the chance it will win on this move?

Answer: _____



- ★★★★ 8. Answer the questions below using the Venn Diagram showing Ms. Berger's students musical preferences.



CLASS CENSUS

How many students took part in the all class census?

How many students prefer only rap?

How many students prefer only rock and country?

How many students prefer rap or country but not rock?
