

MATH SUPERSTARS – 5

Saturn, XXIII

Name: _____

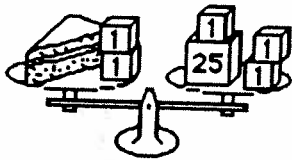
(This shows my own thinking.)

- ★★ 1. Laquinda and her 2 friends wanted a pizza after school. They did not have enough money, but Laquinda's mother promised to give them what they needed once they put their money together. Laquinda had \$2.45; one friend had \$3.72; the other friend had \$0.87. How much did Laquinda's mother have to pay for the pizza if the total cost was \$9.95?



Answer: _____

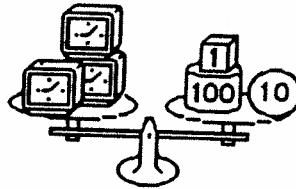
- ★★★ 2. Use number sense to solve each equation. Find out what a single object weighs.



A piece of cake weighs:

$$x + 2 = 28$$

$$x = \underline{\quad}$$



A clock weighs:

$$3y = 111$$

$$y = \underline{\quad}$$



A coin weighs:

$$4z + 5 = 41.8$$

$$z = \underline{\quad}$$

- ★★ 3. Circle the best estimate below for the sum of $13\frac{38}{39}$, $7\frac{16}{17}$, $4\frac{1}{9}$, and $4\frac{1}{42}$.

a. 28

b. 30

c. $28\frac{23}{46}$

d. 20

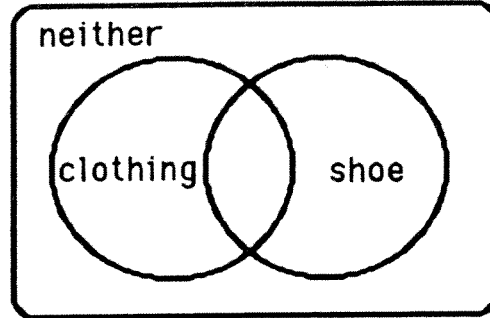
- ★★ 4. Raoul's "school days" picture was accidentally made with a grid behind it. Estimate the area of the part of his body that is showing. Circle the best estimate below.

a. 40 sq. units c. 60 sq. units

b. 50 sq. units d. 80 sq. units

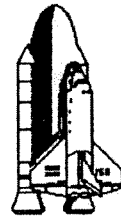


- ★★ 5. 100 adult customers were surveyed to determine which type of shop in the mall -- clothing store or shoe store -- they liked best. Forty-seven liked clothing stores best. Twenty-three preferred shoe stores. Fourteen liked both equally well. The rest did not like either type of store. Write 4 numbers in the appropriate section of the Venn diagram below to show these statistics.



- ★★ 6. Space shuttle Atlantis has traveled a distance of 2,000 miles one and a half minutes into its flight. If it continues to travel at this speed, how far will it have traveled in six minutes?

Answer: _____ miles



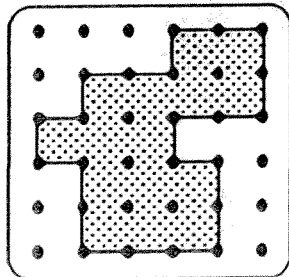
- ★★ 7. Joseph has a nickel and a penny in one pocket and two nickels and two pennies in the other pocket. Which pocket gives him the better chance of pulling out a penny?

Answer : _____

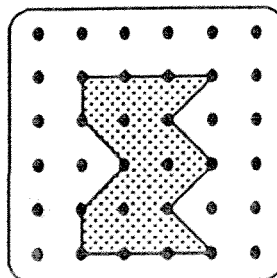
- ★★ 8. Betty Jean has 18 coins. One sixth of the coins are quarters, one third of the coins are dimes, and one half of the coins are nickels. What is the value of Betty Jean's coins?

Answer: \$ _____

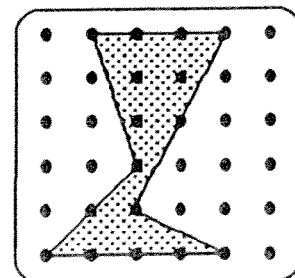
- ★★★ 9. Write the area of each geoboard figure on the line below the figure.



area = _____



area = _____



area = _____