

# SUNSHINE MATH - 7

## Neptune, X

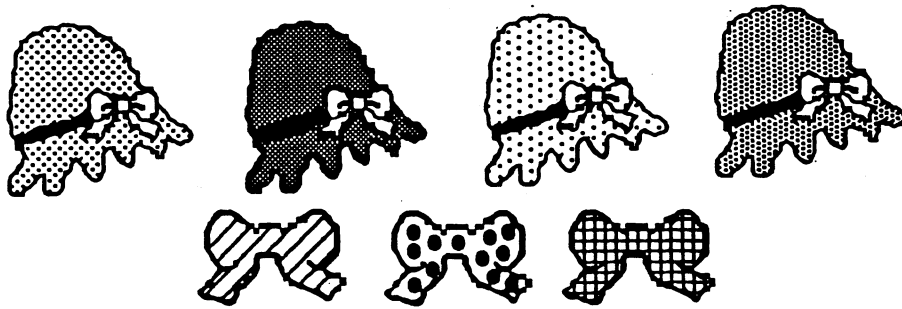
Name: \_\_\_\_\_

(This shows my own thinking.)

- ★★ 1. At Super Star Middle School, sixty of eighty teachers are female. What percent of the teachers are male?

Answer: \_\_\_\_\_%

- ★★★ 2. Aurelia has 4 hats; one green, one yellow, one blue and one purple. She has 3 pretty bows for them; one with stripes, one with polka-dots and one with checks. If she must use one bow per hat, how many different hats can she possibly make, assuming she can put any bow on any hat and change them whenever she chooses?



Answer: \_\_\_\_\_ hats

- ★★ 3. Sam wants to have a Halloween party for 30 of his friends. Jumbo subs cost \$15.99 and can feed 8 people. How much will Sam spend to feed himself and thirty friends, after sales tax of 7% is added?

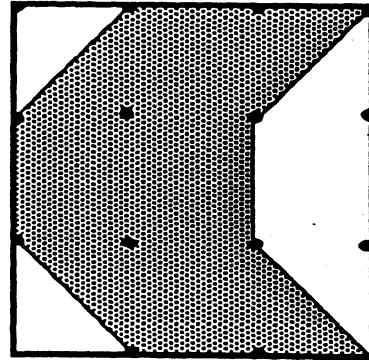
Answer: \$ \_\_\_\_\_

- ★★★ 4. In her first 20 free-throw attempts, Suzie sunk 9 baskets. How many baskets must she sink in her next 30 attempts to have an overall average of 70%?

Answer: \_\_\_\_\_ baskets

- ★★★★ 5. The area of the large square made on a wooden geoboard is 81 sq. in. What is the area of the shaded portion?

Answer: \_\_\_\_\_ sq. in.

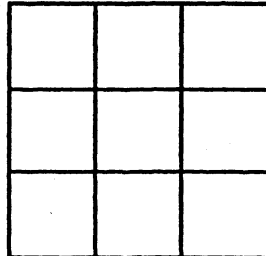


- ★★★ 6. How many terms does the following arithmetic sequence have?

**2.5, 4, 5.5, 7, ....., 17.5**

Answer: \_\_\_\_\_

- ★★ 7. How many squares are shown in the picture below?



Answer: \_\_\_\_\_ squares

- ★ 8. Miguel's family wants to go to Disney World. Admission is \$38.00 each. His dad has saved \$75.00. How much more does he need to save for Miguel, his dad, his mother and his sister to go to Disney World?

Answer: \$ \_\_\_\_\_

