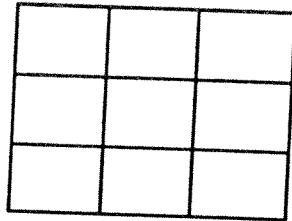# MATH SUPERSTARS – 4
Jupiter, XVI

Name: _____

(This shows my own thinking.)

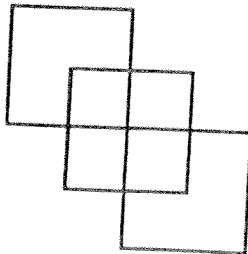★★   1. Shade part of the diagram below to show $\frac{1}{3}$ of $\frac{1}{3}$ of the whole rectangle.

★★★★   2. The table below lists mid-season baseball won-loss records for the Central division of the National League. Answer the questions based on the information provided in the table.

CENTRAL	W	L	TOTAL GAMES
St. Louis	31	40	
Cincinnati	43	25	
Houston	38	31	
Chicago	37	33	
Pittsburgh	30	37	

a. Fill in the total games column on the table for each team.

b. Which team has the highest winning percentage? _____

c. Which team has the lowest winning percentage? _____

d. What is the average number of games played per team? _____
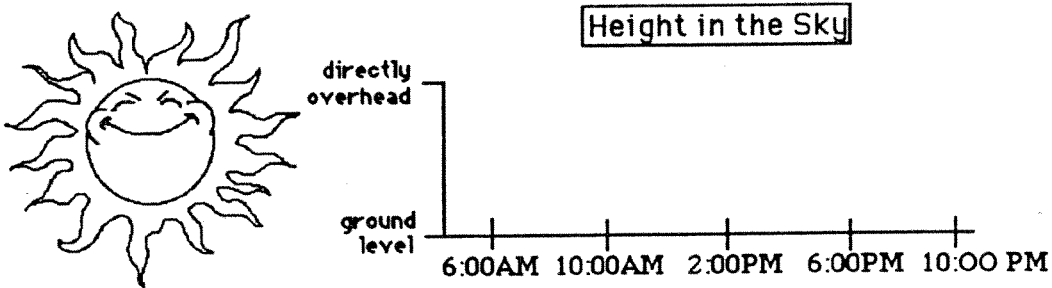
★★   3. How many squares?

Answer: _____ squares

45

★★★ 4. The Fashion Store is having a Spring sale. The dresses are $\frac{1}{2}$ off and the shoes are $\frac{1}{4}$ off the regular price. Sandy buys a dress that was regularly priced at $94.50 and shoes to go with the dress that were regularly priced $29.96. What was the total amount she spent on just these two items?

Answer: _____

★★ 5. Make a line graph to show the approximate position of the sun during a sunny summer day. The sun rises at 6:00 AM and sets at 9:00 PM.

| Height in the Sky |

directly
overhead

ground
level

6:00AM   10:00AM   2:00PM   6:00PM   10:00 PM

★★★★ 6. Ken is about to eat a bag of M&M's on the 4th of July. The number of each color M&M is listed in the table below. Answer the questions.

green	11
red	8
yellow	13
tan	7
brown	10
blue	5

a. If Ken picks the first M&M out of the bag without looking, what is the chance he will pick a brown one to match his eyes? _____

b. What is the chance his first one will match a color in the American flag? _____

★★★ 7. Mike needs to buy 4 packages of pencils at 89¢ each, 2 packages of paper at $1.19 each, and an eraser package for 95¢. He has $10.00. Estimate to the nearest dollar how much money he will have left.

Answer: _____

46