Name:		

Week 20 Homework (Honors)

<u>Directions:</u> Solve the following problems. You \underline{MUST} show your work. $\underline{NO\ WORK = NO\ CREDIT}$.

1. A candy store is selling 270 jelly beans for 500 cents
Label each statement true or false and SHOW YOUR
WORK on how you figured this out:

- 1- For \$1 you can buy at least 30 jelly beans.
- 2- Each jelly bean under 5 cents.
- 3- For \$4 you can buy more than 200 jelly beans. _____
- 4- 25 jelly beans cost no more than 30 cents.

George is collecting of	cards. The cards he has are
displayed in the table.	What is the ratio of basketball
and baseball cards to to	otal cards?

Type of Card	Number
Football	20
Baseball	75
Basketball	13
Soccer	36
Game	64

Answer _____

3. During the week, Raul made \$15.43, \$9.32, and \$27. During the same week, he spent \$25.87, \$4.55, and \$50. What value represents the amount of money he had at the end of the week? What integer could be written for the following scenarios?

Answer

- 4. Multiply.
- a) (-24.65)(-0.41)

b) (68.23)(-5.3)=

Answer: _____

Answer: _____

Homework

<u>Directions:</u> Solve the following problems. You <u>MUST</u> show your work. <u>NO WORK = NO CREDIT.</u>

1. Jordan shot 145 baskets in 15 minutes. Robert shot
254 baskets in 20 minutes. How many more baskets
did Jordan shoot per minute to the nearest tenth?

Answer: _____ 2. Divide:

A)
$$5\frac{7}{8} \div 2\frac{1}{4} =$$

B)
$$12\frac{2}{9} \div 3\frac{1}{3} =$$

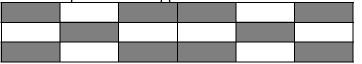
Answer: _____ ___ Answer: ___

3. Compare the number of triangles and circles. If the ratio remains the same, how many circles will there be if there are 36 triangles?



Answer: _____

4. The new floor in the school cafeteria is going to be constructed of square tiles that are either gray or white and in the pattern that appears below:



A: What is the ratio of gray to white tiles? A: _____

B: What is the ratio of white to total tiles? A:

C: If the total cost of the white tiles is \$12.50, what is the unit cost per white tile?

5. The ratio of the number of rabbits to the number of snakes at a zoo is 11:3. If there are 183 snakes at the zoo, how many rabbits are there at the zoo?

Answer: _____

6. A parking garage reserves 4 out of 11 parking spaces for cars with handicapped permits. If the garage has 9500 parking spaces in all, about how many are reserved for handicapped spaces?

Answer:

Homework

<u>Directions:</u> Solve the following problems. You <u>MUST</u> show your work. <u>NO WORK = NO CREDIT.</u>

Dire	ctions. Solve the R	mowing proofems. Tou <u>m</u>	obj show your work. Ito work	THO CREDIT.
1. A water cooler fills 1150 glasses in 45 minutes. How many glasses of water can the cooler fill per minute?			3. The inventory of homes for sale at a local real estate office is shown below.	
Write a unit rate to the nearest tenth.			18 two-bedroom home	S
Answer:			70 three-bedroom hom	ies
			34 four-bedroom home	<u>!</u> S
2. Divide the fo	ollowing fractions	:	66 five-bedroom homes	S.
a) $2\frac{2}{3} \div \frac{1}{3} =$		Answer:	What is the ratio of four and five all of the homes in the real esta	
b) $17\frac{1}{2} \div 1\frac{1}{4}$	=	Answer:	Answer:	
4. Pilar listed the number of each type of movie he owns in the table below. Pilar's Movies Type of Movie Number science fiction 160 comedy 95 action/adventur e romance 55 What is the ratio of science fiction movies to all the other movies? Answer:		5. Kylan's ratio of strawberries to blueberries is 50 to 15. Kylan told Greg that if she had 90 blueberries that she would have 300 strawberries. Is Kylan's statement true? Explain your answer. Answer:		
<u>Dire</u>	ctions: Solve the fo	Home ollowing problems. You <u>M</u>	ework <u>UST</u> show your work. <u>NO WORK</u> :	= NO CREDIT.
 1. Which one is the better buy? (find price per egg): A) Great Value Eggs - \$1.88 for 12 eggs B) Sunny Meadow - \$3.20 for 18 eggs Answer: 			2. One sock requires $\frac{5}{6}$ yards of fabric to make. What is the maximum number of socks that can be made from 9 $\frac{3}{4}$ yards of fabric? Answer:	
3. Betty bought three pieces of wood in lengths of 42, 56, and 84 inches. She needs to cut the wood into pieces of equal length. What is the greatest possible length of the pieces? Answer:		5. Jack uses 1.6 liters of gasoline every 2 hours mowing lawns. How much gas does he use in 5.8 hours? SHOW YOUR WORK!!!		
4. Use a number line to determine which symbol (>, <,=) would make the sentence true.			A) 4.64 liters B) 9.28 liters	C) 92.8 liters D) 928 liters

-64.56	-64.65	