

Week 20 Homework (Standard)**Directions:** Solve the following problems. You MUST show your work. **NO WORK = NO CREDIT.**

1. A candy store is selling 60 jelly beans for \$3. Label each statement true or false and SHOW YOUR WORK on how you figured this out:

- 1- For \$1 you can buy 30 jelly beans. _____
- 2- Each jelly bean costs 5 cents. _____
- 3- For \$2 you can buy 40 jelly beans. _____
- 4- 5 jelly beans cost 30 cents. _____

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

Answer _____

Type of Card	Number
Football	20
Baseball	75
Basketball	12
Soccer	36
Game	65

3. What integer could be written for the following scenarios?

- A) Deposit of \$25 _____
- B) 25 feet above sea level _____
- C) A withdrawal of \$30 _____

4. Multiply.

a) 24.65×0.41 Answer: _____

b) $\$68.23 \times 5.3 =$ Answer: _____

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1. Jordan shot 45 baskets in 5 minutes. Robert shot 54 baskets in 9 minutes. How many more baskets did Jordan shoot per minute?

Answer: _____

2. Divide:

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

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

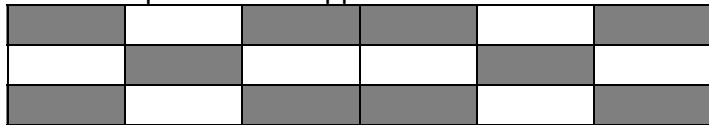
Answer: _____

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?



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 tiles to white tiles?

Answer: _____

B: What is the ratio of white tiles to the total number of tiles in the pattern?

Answer: _____

C: If the total cost of the white tiles is \$12, what is the unit cost per white tile?

Answer: \$ _____

5. The ratio of the number of rabbits to the number of snakes at a zoo is 8:3. If there are 15 snakes at the zoo, how many rabbits are there at the zoo?

Answer: _____

6. A parking garage reserves 1 out of 11 parking spaces for cars with handicapped permits. If the garage has 99 parking spaces in all, how many are reserved for handicapped spaces?

Answer: _____

Homework

Directions: Solve the following problems. You MUST show your work. **NO WORK = NO CREDIT.**

1. A water cooler fills 150 glasses in 30 minutes. How many glasses of water can the cooler fill per minute? Write a unit rate.
Answer: _____

2. Divide the following fractions:
a) $2\frac{2}{3} \div \frac{1}{3} =$ Answer: _____

b) $17\frac{1}{2} \div 1\frac{1}{4} =$ Answer: _____

3. The inventory of homes for sale at a local real estate office is shown below.

- 8 two-bedroom homes
- 7 three-bedroom homes
- 4 four-bedroom homes
- 6 five-bedroom homes.

What is the ratio of four and five-bedroom homes to all of the homes in the real estate office's inventory?
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	16
comedy	9
action/adventure	18
romance	5

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 10. Kylan told Greg that if she had 60 blueberries that she would have 300 strawberries. Is Kylan's statement true? Explain your answer.
Answer: _____

Homework

Directions: Solve the following problems. You MUST show your work. **NO WORK = 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 two pieces of wood in lengths of 42 inches and 56 inches. She needs to cut the wood into pieces of equal length. What is the greatest possible length of the pieces?
Answer: _____

4. Use a number line to determine which symbol (>, <, =) would make the sentence true.

5. **Jack uses 1.6 liters of gasoline each hour mowing lawns. How much gas does he use in 5.8 hours? SHOW YOUR WORK!!!**

A) 3.625 liters C) 92.8 liters
B) 9.28 liters D) 928 liters

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