

Name: _____ Hr: _____

Unit 5 Retake Work

| | | | | | |
|-----|-----|---|------|-------|----|
| a | b | c | d | e | f |
| 62 | 200 | A | 17.5 | 65 | 98 |
| g | h | i | j | k | l |
| ACD | 250 | B | 72 | 68.67 | BC |



***Remember to ask yourself**

What am I finding?

What information do I have?

Do I use a formula, ratio or a proportion?

Did I answer the question? (is there more than 1 step?)

Does my answer make sense?

1) The ratio of tulips to roses in Mrs. Steen's garden is 6 to 2. If the total number of flowers are 96, how many flowers are tulips?

2) At a hardware superstore, for \$9 you can buy 4 wrenches. Which **sets** are in proportion to the set of 4 wrenches? (LT 5-1)

- a) \$15.75 for 7 wrenches
- b) \$8 for 3 wrenches
- c) \$11.25 for 5 wrenches
- d) \$13.50 for 6 wrenches

3) Cereal is on sale this week. The 10-ounce box costs \$2.15 and the 12-ounce box costs \$3.24.

Identify **all** true statements. (LT 5-1)

- a) The unit price for the 10-ounce box is \$0.28.
- b) The unit price for the 12-ounce box is \$0.27.
- c) The 10-ounce box is the better buy.
- d) The 12-ounce box is the better buy.

4) Four kids made pancakes this weekend. Whose ratio was different? (LT 5-1)

- a) Mike
- b) Carmen
- c) Sarah
- d) Devion

| Person | Mix (Cups) | Servings |
|---------------|------------|----------|
| Mike | 2.5 | 10 |
| Carmen | 3.5 | 13 |
| Sarah | 4 | 16 |
| <u>Devion</u> | 3 | 12 |

5) A number divided into a ratio of 9:4. If the first part is 45, find the number.

6) My parents are giving me some money. I could choose between 15% of \$1,500 or 25% of \$1,000. How much money will I get with the best choice? (LT 5-2)

7) Annie made the exact same shade of orange that her teacher had made in art class. If her teacher used a 7:5 ratio of red paint to yellow paint, how much is red paint if she has 30 ounces of paint? (LT 5-2)

8) 54 students failed a math test. This is 27% of the total number of students. How many students took the test? (LT 5-2)

9) Mrs. Hanson took her family out to Red Lobster. They decided to leave a 15% tip, which was \$10.30. How much did the dinner cost? Round to the nearest cent. (LT 5-2)

10) In her catering business, Elena usually estimates that 5 pounds of meat will feed about 21 people. She she prepares 18 pounds of meat for 84 people. (LT 5-2)

- a) She prepared too little.
- b) She prepared too much.
- c) She prepared just enough

11) A number divided into a ratio of 6:8. If the first part is 42, find the number.