

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

### Unit 3 Review sheet- Due Tuesday

Test on Wednesday, October 22

#### Topics:

- Whole number computation (addition, subtraction, multiplication, division)
- Single and multi-step word problems
- Order of Operations
- Number Properties

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1) What math concepts does the following stand for:

G\_\_\_\_\_ E\_\_\_\_\_ M\_\_\_\_\_ D\_\_\_\_\_ A\_\_\_\_\_ S\_\_\_\_\_

2) When multiplication and division OR addition and subtraction are in the same expression how do you solve the problem? \_\_\_\_\_

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#### Simplify the expressions. Show step by step work.

3)  $4+3 \times (12- 6)$     a. 42        b. 22        c. 138        d. 78

4)  $24 - 10 + 8$         a. 14        b. 6        c. 112        d. 42

5)  $3 \times (4 + 2 \times 3)$

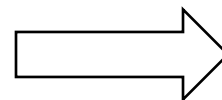
6)  $(4 \times 2) - (3 \times 2)$

7)  $12 \div 4 \times 6$

#### Which step you would take first to simplify?

8)  $34 - 10 \div 5 \times (6 \times 2)$     a.  $34-10$         b.  $10 \div 5$         c.  $(6 \times 2)$         d.  $5 \times 12$

9)  $15-3+2$         a.  $3+2$         b.  $15-3$         c. this problem can't be simplified.



**Solve the word problems. Be sure to take note if there is more than one step.**

- 10) The workers at a light bulb factory recently produced 2650 light bulbs. If they can package 48 light bulbs in each box, how many full boxes will the factory be able to ship to its customers? \_\_\_\_\_
- 11) Ms. Reid's class is selling boxes of pears to raise money for a class trip. Each student has 20 boxes to sell. Every box has 15 pears. If 19 students sold their boxes, how many pears did Ms. Reid's class sell all together? \_\_\_\_\_
- 12) A high school lacrosse coach ordered a new uniform for each player. If there are 22 players and each uniform cost \$28, how much did the coach spend? \_\_\_\_\_
- 13) Tom had 10 boxes of crayons but gave 3 to his sister. Then, he found 9 more boxes. If each box has 24 crayons in it, how many total crayons does Tom have now? \_\_\_\_\_

**Solve the equations**

- 14)  $326 \times 13 =$  \_\_\_\_\_
- 15)  $243 \div 27 =$  \_\_\_\_\_
- 16)  $569 + 192 =$  \_\_\_\_\_
- 17)  $187 - 98 =$  \_\_\_\_\_

**Complete the Number Property Questions**

- 18) Which equation illustrates the Identity Property of Addition?  
a.  $25 \times 0 = 0$       b.  $21 \times 25 = 25 \times 21$       c.  $97 + 0 = 97$
- 19) Which equation illustrates the Associate Property of Addition?  
a.  $3 + (7 + 5) = (3 + 7) + 5$       b.  $3 \times 5 = 5 \times 3$       c.  $3 + 7 = 7 + 3$
- 20) Complete the number sentence to show the Distributive Property then solve.  
 $23 \times 9 = (20 \times \underline{\quad}) + (\underline{\quad} \times 9) = \underline{\hspace{2cm}}$