

### Topic 4-6 Test Review

**Properties:** Define and provide an example of each of the following multiplication properties. Reference your foldable notes if needed.

1. Commutative property-
2. Associative property-
3. Identity property-
4. Zero property of multiplication-

**Computation:** Solve each of the following problems. Show ALL of your work.

5.  $43 \times 89$

6.  $456 \times 89$

7.  $239 \times 46$

8.  $563 \div 6$

9.  $5,632 \div 64$

10.  $873 \div 51$

**Word Problems:** Read each problem **carefully**. Show all of your work and circle your answer. Make sure to label your answers.

11. A box holds 128 pens. How many pens are there in 15 boxes?

12. Kelly helped Miss McIntyre fill her storage cabinet with textbooks. The cabinet had 48 drawers. Each drawer held 32 textbooks. How many textbooks did she store in the cabinet?

13. William ordered 342 cookies to give to his teachers. The cookies are to be given to 12 teachers. How many cookies will each teacher receive?

14. There were two colors of ribbon: blue and orange. The blue ribbon was 223 inches long and the orange ribbon was 23 inches long. About how many times as long is the blue ribbon than the orange ribbon?

15. Over the weekend, Henry picked 784 apples and put them into crates. Each crate holds 46 apples. How many full crates did Henry have?

**Estimating multiplication and division**: Use compatible numbers to solve each of the following problems. Show all of your work.

16.  $412 \div 5$

17.  $48,034 \div 6$

18.  $896 \times 9$

19.  $3,000,000 \times 7$

20.  $362 \div 12$