

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Score: \_\_\_\_\_

### Multiplication Strategies :: Associative Property

1.  $3 \times 2 \times 2 = \boxed{6} \times 2 = \boxed{12}$

2.  $2 \times 4 \times 4 = \boxed{\phantom{00}} \times 4 = \boxed{\phantom{00}}$

3.  $4 \times 2 \times 4 = \boxed{\phantom{00}} \times 4 = \boxed{\phantom{00}}$

4.  $6 \times 2 \times 3 = \boxed{\phantom{00}} \times 3 = \boxed{\phantom{00}}$

5.  $6 \times 2 \times 10 = \boxed{\phantom{00}} \times 10 = \boxed{\phantom{00}}$

6.  $5 \times 2 \times 10 = \boxed{\phantom{00}} \times 10 = \boxed{\phantom{00}}$

7.  $5 \times 2 \times 12 = \boxed{\phantom{00}} \times 12 = \boxed{\phantom{00}}$

8.  $6 \times 2 \times 3 = \boxed{\phantom{00}} \times 3 = \boxed{\phantom{00}}$

## Answers

$$1. \quad 3 \times 2 \times 2 = \boxed{6} \times 2 = \boxed{12}$$

$$2. \quad 2 \times 4 \times 4 = \boxed{8} \times 4 = \boxed{32}$$

$$3. \quad 4 \times 2 \times 4 = \boxed{8} \times 4 = \boxed{32}$$

$$4. \quad 6 \times 2 \times 3 = \boxed{12} \times 3 = \boxed{36}$$

$$5. \quad 6 \times 2 \times 10 = \boxed{12} \times 10 = \boxed{120}$$

$$6. \quad 5 \times 2 \times 10 = \boxed{10} \times 10 = \boxed{100}$$

$$7. \quad 5 \times 2 \times 12 = \boxed{10} \times 12 = \boxed{120}$$

$$8. \quad 6 \times 2 \times 3 = \boxed{12} \times 3 = \boxed{36}$$