**Commutative and Associative Practice Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Rearrange the problems using the Commutative and Associative Properties of Multiplication to make them easier to compute mentally. Then compute them to find the answers.

1. 18 × 5 × 2 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_
2. 8 × (11 × 5) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_
3. (14 × 25) × (2 × 4) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_
4. 16 × 2 × 5 × 2 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_
5. 5 × (11 × 6) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_
6. 4 × 2 × (3 × 5) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_
7. 5 × 7 × 2 × 4 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_
8. 6 × 4 × 5 × 3 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_

**Commutative and Associative Practice (KEY)**

Rearrange the problems using the Commutative and Associative Properties of Multiplication to make them easier to compute mentally. Then compute them to find the answers.

1. 18 × 5 × 2
2. 8 × (11 × 5)
3. (14 × 25) × (2 × 4)
4. 16 × 2 × 5 × 2
5. 5 × (11 × 6)
6. 4 × 2 × (3 × 5)
7. 5 × 7 × 2 × 4
8. 6 × 4 × 5 × 3

**2 × 5 × 18**

**(8 × 5) × 11**

**(4 × 25) × (2 × 14)**

**2 × 5 × 16 × 2**

**(5 × 6) × 11**

**2 × 5 × (4 × 3)**

**5 × 2 × (7 × 4)**

**6 × 5 × (3 × 4)**

**180**

**440**

**2800**

**320**

**330**

**120**

**280**

**360**