

Name _____

Which One Groups Right?

Directions: Choose the equation that correctly shows the **Associative Property** in each question. (Only **one answer** is correct for each problem.)

1. a) $(2 + 3) + 4 = 4 + (3 + 2)$
c) $2 + (3 + 4) = (4 + 3) + 2$

b) $(2 + 3) + 4 = (3 + 2) + 4$
d) $(2 + 3) + 4 = 2 + (3 + 4)$

2. a) $(5 \times 4) \times 2 = 5 \times (4 \times 2)$
c) $5 \times (4 + 2) = (5 \times 4) + 2$

b) $(4 \times 5) \times 2 = (5 \times 4) \times 2$
d) $(5 \times 4) \times 2 = 2 \times (5 \times 4)$

3. a) $(7 + 2) + 5 = (7 + 5) + 2$
c) $(7 + 2) + 5 = 7 + (2 + 5)$

b) $(7 + 2) + 5 = (2 + 7) + 5$
d) $7 + 2 + 5 = 7 \times (2 + 5)$

4. a) $(3 \times 2) \times 6 = (2 \times 3) \times 6$
c) $(3 \times 2) \times 6 = 3 \times (6 \times 2)$

b) $(3 \times 2) \times 6 = 3 \times (2 \times 6)$
d) $3 \times (2 + 6) = (3 \times 2) + 6$

5. a) $(4 + 5) + 7 = 4 + (5 + 7)$
c) $(4 + 5) + 7 = (7 + 5) + 4$

b) $(4 + 5) + 7 = (5 + 4) + 7$
d) $4 + (5 + 7) = (4 \times 5) + 7$

6. a) $(8 \times 3) \times 5 = (3 \times 5) \times 8$
c) $(8 \times 3) \times 5 = 8 \times (5 + 3)$

b) $(8 \times 3) \times 5 = (5 \times 3) \times 8$
d) $(8 \times 3) \times 5 = 8 \times (3 \times 5)$

7. a) $(6 + 2) + 4 = (2 + 6) + 4$
c) $(6 + 2) + 4 = 4 + (6 + 2)$

b) $(6 + 2) + 4 = 6 + (2 + 4)$
d) $6 + 2 + 4 = 6 + (2 \times 4)$

8. a) $(5 \times 7) \times 3 = 5 \times (7 \times 3)$
c) $5 \times 7 \times 3 = 7 \times (5 \times 3)$

b) $(5 \times 7) \times 3 = (7 \times 5) \times 3$
d) $(5 \times 7) \times 3 = 3 \times (5 \times 7)$

