

**Determine which choice is an equivalent equation.****Answers**

1) Which expression is equal to

$(4 \times 6) \times 8$

A. $(4 + 6) + 8$

B. $(4 + 6) \times 8$

C. $4 \times (6 \times 8)$

D. $4 + (6 \times 8)$

2) Which expression is equal to

$(7 \times 3) \times 2$

A. $(7 + 3) \times 2$

B. $7 \times (3 + 2)$

C. $7 \times (3 \times 2)$

D. $7 + (3 + 2)$

3) Which expression is equal to

$8 \times (6 \times 1)$

A. $(8 \times 6) \times 1$

B. $(8 \times 6) + 1$

C. $(8 + 6) + 1$

D. $8 + (6 \times 1)$

4) Which expression is equal to

$(10 \times 2) \times 7$

A. $(10 + 2) \times 7$

B. $10 \times (2 \times 7)$

C. $10 + (2 + 7)$

D. $(10 \times 2) + 7$

5) Which expression is equal to

$7 \times (0 \times 5)$

A. $(7 \times 0) \times 5$

B. $7 + (0 \times 5)$

C. $(7 + 0) \times 5$

D. $7 + (0 + 5)$

6) Which expression is equal to

$(7 \times 0) \times 6$

A. $(7 + 0) + 6$

B. $7 \times (0 + 6)$

C. $7 \times (0 \times 6)$

D. $(7 \times 0) + 6$

7) Which expression is equal to

$(1 \times 3) \times 9$

A. $1 \times (3 \times 9)$

B. $1 + (3 \times 9)$

C. $(1 + 3) \times 9$

D. $(1 \times 3) + 9$

8) Which expression is equal to

$(3 \times 9) \times 8$

A. $(3 + 9) + 8$

B. $3 + (9 + 8)$

C. $3 \times (9 \times 8)$

D. $3 + (9 \times 8)$

9) Which expression is equal to

$5 \times (10 \times 8)$

A. $(5 \times 10) \times 8$

B. $(5 \times 10) + 8$

C. $5 + (10 + 8)$

D. $(5 + 10) \times 8$

10) Which expression is equal to

$1 \times (8 \times 5)$

A. $(1 \times 8) \times 5$

B. $1 \times (8 + 5)$

C. $(1 + 8) \times 5$

D. $1 + (8 \times 5)$

11) Which expression is equal to

$2 \times (7 \times 1)$

A. $(2 + 7) + 1$

B. $(2 \times 7) \times 1$

C. $2 + (7 + 1)$

D. $(2 \times 7) + 1$

12) Which expression is equal to

$(7 \times 5) \times 10$

A. $7 + (5 + 10)$

B. $7 \times (5 + 10)$

C. $7 \times (5 \times 10)$

D. $(7 + 5) + 10$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

**Determine which choice is an equivalent equation.****Answers**

1) Which expression is equal to

$(4 \times 6) \times 8$

A. $(4 + 6) + 8$

B. $(4 + 6) \times 8$

C. $4 \times (6 \times 8)$

D. $4 + (6 \times 8)$

2) Which expression is equal to

$(7 \times 3) \times 2$

A. $(7 + 3) \times 2$

B. $7 \times (3 + 2)$

C. $7 \times (3 \times 2)$

D. $7 + (3 + 2)$

3) Which expression is equal to

$8 \times (6 \times 1)$

A. $(8 \times 6) \times 1$

B. $(8 \times 6) + 1$

C. $(8 + 6) + 1$

D. $8 + (6 \times 1)$

4) Which expression is equal to

$(10 \times 2) \times 7$

A. $(10 + 2) \times 7$

B. $10 \times (2 \times 7)$

C. $10 + (2 + 7)$

D. $(10 \times 2) + 7$

5) Which expression is equal to

$7 \times (0 \times 5)$

A. $(7 \times 0) \times 5$

B. $7 + (0 \times 5)$

C. $(7 + 0) \times 5$

D. $7 + (0 + 5)$

6) Which expression is equal to

$(7 \times 0) \times 6$

A. $(7 + 0) + 6$

B. $7 \times (0 + 6)$

C. $7 \times (0 \times 6)$

D. $(7 \times 0) + 6$

7) Which expression is equal to

$(1 \times 3) \times 9$

A. $1 \times (3 \times 9)$

B. $1 + (3 \times 9)$

C. $(1 + 3) \times 9$

D. $(1 \times 3) + 9$

8) Which expression is equal to

$(3 \times 9) \times 8$

A. $(3 + 9) + 8$

B. $3 + (9 + 8)$

C. $3 \times (9 \times 8)$

D. $3 + (9 \times 8)$

9) Which expression is equal to

$5 \times (10 \times 8)$

A. $(5 \times 10) \times 8$

B. $(5 \times 10) + 8$

C. $5 + (10 + 8)$

D. $(5 + 10) \times 8$

10) Which expression is equal to

$1 \times (8 \times 5)$

A. $(1 \times 8) \times 5$

B. $1 \times (8 + 5)$

C. $(1 + 8) \times 5$

D. $1 + (8 \times 5)$

11) Which expression is equal to

$2 \times (7 \times 1)$

A. $(2 + 7) + 1$

B. $(2 \times 7) \times 1$

C. $2 + (7 + 1)$

D. $(2 \times 7) + 1$

12) Which expression is equal to

$(7 \times 5) \times 10$

A. $7 + (5 + 10)$

B. $7 \times (5 + 10)$

C. $7 \times (5 \times 10)$

D. $(7 + 5) + 10$

1. **C**2. **C**3. **A**4. **B**5. **A**6. **C**7. **A**8. **C**9. **A**10. **A**11. **B**12. **C**