

**Determine which choice is an equivalent equation.****Answers****1) Which expression is equal to**

$(5 \times 2) \times 4$

A. $(5 + 2) + 4$

B. $(5 + 2) \times 4$

C. $5 + (2 \times 4)$

D. $5 \times (2 \times 4)$

2) Which expression is equal to

$0 \times (10 \times 6)$

A. $(0 \times 10) \times 6$

B. $0 \times (10 + 6)$

C. $(0 + 10) \times 6$

D. $(0 \times 10) + 6$

3) Which expression is equal to

$2 \times (9 \times 10)$

A. $(2 \times 9) + 10$

B. $(2 \times 9) \times 10$

C. $(2 + 9) + 10$

D. $2 + (9 \times 10)$

4) Which expression is equal to

$(4 \times 0) \times 10$

A. $4 \times (0 \times 10)$

B. $4 + (0 \times 10)$

C. $4 \times (0 + 10)$

D. $(4 \times 0) + 10$

5) Which expression is equal to

$9 \times (4 \times 2)$

A. $9 \times (4 + 2)$

B. $(9 \times 4) + 2$

C. $(9 \times 4) \times 2$

D. $9 + (4 + 2)$

6) Which expression is equal to

$(4 \times 6) \times 5$

A. $4 \times (6 \times 5)$

B. $4 + (6 + 5)$

C. $4 + (6 \times 5)$

D. $(4 + 6) \times 5$

7) Which expression is equal to

$(4 \times 1) \times 8$

A. $4 + (1 \times 8)$

B. $(4 + 1) \times 8$

C. $4 \times (1 \times 8)$

D. $4 + (1 + 8)$

8) Which expression is equal to

$(6 \times 4) \times 9$

A. $6 \times (4 \times 9)$

B. $(6 \times 4) + 9$

C. $(6 + 4) \times 9$

D. $6 \times (4 + 9)$

9) Which expression is equal to

$(6 \times 5) \times 1$

A. $(6 \times 5) + 1$

B. $6 \times (5 + 1)$

C. $6 \times (5 \times 1)$

D. $6 + (5 \times 1)$

10) Which expression is equal to

$2 \times (6 \times 8)$

A. $(2 + 6) \times 8$

B. $(2 \times 6) \times 8$

C. $2 \times (6 + 8)$

D. $2 + (6 + 8)$

11) Which expression is equal to

$(3 \times 8) \times 9$

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

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

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

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

12) Which expression is equal to

$3 \times (1 \times 2)$

A. $(3 \times 1) \times 2$

B. $(3 + 1) + 2$

C. $(3 + 1) \times 2$

D. $(3 \times 1) + 2$

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 $(5 \times 2) \times 4$
A. $(5 + 2) + 4$
B. $(5 + 2) \times 4$
C. $5 + (2 \times 4)$
D. $5 \times (2 \times 4)$
- 2) Which expression is equal to $0 \times (10 \times 6)$
A. $(0 \times 10) \times 6$
B. $0 \times (10 + 6)$
C. $(0 + 10) \times 6$
D. $(0 \times 10) + 6$
- 3) Which expression is equal to $2 \times (9 \times 10)$
A. $(2 \times 9) + 10$
B. $(2 \times 9) \times 10$
C. $(2 + 9) + 10$
D. $2 + (9 \times 10)$
- 4) Which expression is equal to $(4 \times 0) \times 10$
A. $4 \times (0 \times 10)$
B. $4 + (0 \times 10)$
C. $4 \times (0 + 10)$
D. $(4 \times 0) + 10$
- 5) Which expression is equal to $9 \times (4 \times 2)$
A. $9 \times (4 + 2)$
B. $(9 \times 4) + 2$
C. $(9 \times 4) \times 2$
D. $9 + (4 + 2)$
- 6) Which expression is equal to $(4 \times 6) \times 5$
A. $4 \times (6 \times 5)$
B. $4 + (6 + 5)$
C. $4 + (6 \times 5)$
D. $(4 + 6) \times 5$
- 7) Which expression is equal to $(4 \times 1) \times 8$
A. $4 + (1 \times 8)$
B. $(4 + 1) \times 8$
C. $4 \times (1 \times 8)$
D. $4 + (1 + 8)$
- 8) Which expression is equal to $(6 \times 4) \times 9$
A. $6 \times (4 \times 9)$
B. $(6 \times 4) + 9$
C. $(6 + 4) \times 9$
D. $6 \times (4 + 9)$
- 9) Which expression is equal to $(6 \times 5) \times 1$
A. $(6 \times 5) + 1$
B. $6 \times (5 + 1)$
C. $6 \times (5 \times 1)$
D. $6 + (5 \times 1)$
- 10) Which expression is equal to $2 \times (6 \times 8)$
A. $(2 + 6) \times 8$
B. $(2 \times 6) \times 8$
C. $2 \times (6 + 8)$
D. $2 + (6 + 8)$
- 11) Which expression is equal to $(3 \times 8) \times 9$
A. $(3 + 8) \times 9$
B. $(3 \times 8) + 9$
C. $3 \times (8 \times 9)$
D. $3 + (8 \times 9)$
- 12) Which expression is equal to $3 \times (1 \times 2)$
A. $(3 \times 1) \times 2$
B. $(3 + 1) + 2$
C. $(3 + 1) \times 2$
D. $(3 \times 1) + 2$

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