

Determine which choice is an equivalent equation.

- 1) Which expression is equal to $(4 \times 3) \times 2$
 - A. $(4 \times 3) + 2$
 - B. 4 + (3 + 2)
 - $C.4 \times (3 \times 2)$
 - D. (4+3)+2
- 3) Which expression is equal to

$$10 \times (1 \times 8)$$

- A. $(10 \times 1) + 8$
- B. $(10+1) \times 8$
- C. $(10 \times 1) \times 8$
- D. $10 \times (1 + 8)$
- 5) Which expression is equal to

$$7 \times (6 \times 8)$$

- A. 7 + (6 + 8)
- B. $7 \times (6 + 8)$
- C. $(7 \times 6) + 8$
- D. (7×6) $\times 8$
- 7) Which expression is equal to

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

- A. $2 \times (7 + 10)$
- B. $2 \times (7 \times 10)$
- C. $(2+7) \times 10$
- D. 2 + (7 + 10)
- 9) Which expression is equal to

$$2 \times (9 \times 0)$$

A.
$$(2 \times 9) \times 0$$

B.
$$(2 \times 9) + 0$$

- C. $2 + (9 \times 0)$
- D. $(2+9) \times 0$
- 11) Which expression is equal to

$$(4 \times 6) \times 1$$

- A. $(4 \times 6) + 1$
- B. $4 + (6 \times 1)$
- C. $4 \times (6 + 1)$
- D. $4 \times (6 \times 1)$

2) Which expression is equal to

$$2 \times (1 \times 6)$$

- A. $(2 \times 1) \times 6$
- B. $2 \times (1 + 6)$
- C. $(2+1) \times 6$
- D. $2 + (1 \times 6)$
- 4) Which expression is equal to

$$(9 \times 1) \times 5$$

- A. $9 \times (1 \times 5)$
- B.9 + (1 + 5)
- C. $(9 \times 1) + 5$
- D. $(9+1) \times 5$
- **6**) Which expression is equal to

$$(3 \times 7) \times 6$$

- A. $3 \times (7 \times 6)$
- B. (3+7)+6
- C. $3 \times (7 + 6)$
- D. $3 + (7 \times 6)$
- 8) Which expression is equal to

$$4 \times (0 \times 5)$$

- A. 4 + (0 + 5)
- B. $4 + (0 \times 5)$
- C. $(4 \times 0) + 5$
- D. $(4 \times 0) \times 5$
- 10) Which expression is equal to

$$(0 \times 4) \times 9$$

- $A.0 \times (4 \times 9)$
- B. $(0 \times 4) + 9$
- C. $(0+4) \times 9$
- D. $0 + (4 \times 9)$
- 12) Which expression is equal to

$$10 \times (2 \times 0)$$

- A. $10 + (2 \times 0)$
- B. 10 + (2 + 0)
- C. $(10 \times 2) \times 0$
- D. (10+2)+0

- 1. _____
- - 3.
- 4. _____
- 5. _____
- 6. _____
- 7. _____
- 8. _____
- 9. _____
- 10. _____
- 11. _____
- 12. _____



Answer Key

Determine which choice is an equivalent equation.

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

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

- 1. **C**
- 2. **A**
 - . **C**
- 4. **A**
- 5. **D**
- 6. **A**
- 8. **D**
- 9. **A**
- _{11.} **D**
- 12. <u>C</u>