Determine which choice is an equivalent equation.

1) Which expression is equal to (6 × 10) × 1

A. 6 × (10 + 1)
B. (6 × 10) + 1
C. 6 × (10 × 1)
D. 6 + (10 × 1)

2) Which expression is equal to 3 × (1 × 9)

A. 3 + (1 × 9)
B. (3 + 1) + 9
C. (3 × 1) × 9
D. 3 + (1 + 9)

3) Which expression is equal to 1 × (8 × 5)

A. 1 × (8 + 5)
B. (1 × 8) + 5
C. (1 × 8) × 5
D. (1 + 8) × 5

4) Which expression is equal to 5 × (7 × 9)

A. (5 + 7) + 9
B. (5 × 7) × 9
C. 5 × (7 + 9)
D. (5 + 7) × 9

5) Which expression is equal to 2 × (7 × 1)

A. 2 × (7 + 1)
B. (2 + 7) + 1
C. (2 × 7) × 1
D. 2 + (7 + 1)

6) Which expression is equal to 1 × (10 × 0)

A. (1 × 10) + 0
B. 1 + (10 × 0)
C. (1 + 10) × 0
D. (1 × 10) × 0

7) Which expression is equal to 6 × (1 × 0)

A. (6 + 1) + 0
B. 6 + (1 × 0)
C. (6 × 1) × 0
D. (6 × 1) + 0

8) Which expression is equal to (8 × 6) × 9

A. 8 + (6 + 9)
B. 8 × (6 × 9)
C. (8 × 6) + 9
D. 8 + (6 × 9)

9) Which expression is equal to (6 × 4) × 0

A. 6 × (4 × 0)
B. (6 + 4) + 0
C. 6 × (4 + 0)
D. 6 + (4 + 0)

10) Which expression is equal to 4 × (7 × 6)

A. (4 × 7) × 6
B. 4 + (7 × 6)
C. 4 × (7 + 6)
D. (4 + 7) + 6

11) Which expression is equal to (9 × 0) × 2

A. 9 × (0 × 2)
B. 9 + (0 × 2)
C. (9 + 0) × 2
D. (9 + 0) + 2

12) Which expression is equal to 2 × (7 × 3)

A. 2 + (7 × 3)
B. (2 + 7) × 3
C. (2 × 7) × 3
D. 2 × (7 + 3)

Answers

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

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Determine which choice is an equivalent equation.

1) Which expression is equal to (6 × 10) × 1
A. 6 × (10 + 1)
B. (6 × 10) + 1
C. 6 × (10 × 1)
D. 6 + (10 × 1)

2) Which expression is equal to 3 × (1 × 9)
A. 3 + (1 × 9)
B. (3 + 1) + 9
C. (3 × 1) × 9
D. 3 + (1 + 9)

3) Which expression is equal to 1 × (8 × 5)
A. 1 × (8 + 5)
B. (1 × 8) + 5
C. (1 × 8) × 5
D. (1 + 8) × 5

4) Which expression is equal to 5 × (7 × 9)
A. (5 + 7) + 9
B. (5 × 7) × 9
C. 5 × (7 + 9)
D. (5 + 7) × 9

5) Which expression is equal to 2 × (7 × 1)
A. 2 × (7 + 1)
B. (2 + 7) + 1
C. (2 × 7) × 1
D. 2 + (7 + 1)

6) Which expression is equal to 1 × (10 × 0)
A. (1 × 10) + 0
B. 1 + (10 × 0)
C. (1 + 10) × 0
D. (1 × 10) × 0

7) Which expression is equal to 6 × (1 × 0)
A. (6 + 1) + 0
B. 6 + (1 × 0)
C. (6 × 1) × 0
D. (6 × 1) + 0

8) Which expression is equal to (8 × 6) × 9
A. 8 + (6 + 9)
B. 8 × (6 × 9)
C. (8 × 6) + 9
D. 8 + (6 × 9)

9) Which expression is equal to (6 × 4) × 0
A. 6 × (4 × 0)
B. (6 + 4) + 0
C. 6 × (4 + 0)
D. 6 + (4 + 0)

10) Which expression is equal to 4 × (7 × 6)
A. (4 × 7) × 6
B. 4 + (7 × 6)
C. 4 × (7 + 6)
D. (4 + 7) + 6

11) Which expression is equal to (9 × 0) × 2
A. 9 × (0 × 2)
B. 9 + (0 × 2)
C. (9 + 0) × 2
D. (9 + 0) + 2

12) Which expression is equal to 2 × (7 × 3)
A. 2 + (7 × 3)
B. (2 + 7) × 3
C. (2 × 7) × 3
D. 2 × (7 + 3)

Answers

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

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								