Determine which choice is an equivalent equation.

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. $(0 \times 10) + 6$

1. _____

2. _____

3. _____

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. $(4 \times 0) + 10$

4. _____

5. _____

6. _____

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. _____

8. _____

9. _____

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. $6 \times (4 + 9)$

10. _____

11. _____

12. _____

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. $(3 \times 1) + 2$

1-10	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
$(5 \times 2) \times 4$

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. $(0 \times 10) + 6$

1. **D**

2. **A**

3. **B**

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. $(4 \times 0) + 10$

4. **A**

5. **C**

6. **A**

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. **C**

8. **A**

9. **C**

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. $6 \times (4 + 9)$

10. **B**

11. **C**

12. **A**

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. $(3 \times 1) + 2$

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