Finding Associative Property of Multiplication

Name:

Determine which choice is an equivalent equation.

1) Which expression is equal to
$(4 \times 5) \times 9$
A. $4 \times (5 \times 9)$
B. $(4 + 5) \times 9$
C. $(4 \times 5) + 9$
D. $4 \times (5 + 9)$

2) Which expression is equal to
$(2 \times 0) \times 8$
A. $(2 + 0) + 8$
B. $2 + (0 + 8)$
C. $2 \times (0 \times 8)$
D. $2 \times (0 + 8)$

3) Which expression is equal to
$9 \times (0 \times 8)$
A. $(9 \times 0) \times 8$
B. $9 + (0 \times 8)$
C. $9 + (0 + 8)$
D. $(9 + 0) \times 8$

4) Which expression is equal to
$(1 \times 0) \times 6$
A. $(1 + 0) \times 6$
B. $1 \times (0 \times 6)$
C. $1 + (0 + 6)$
D. $(1 + 0) + 6$

5) Which expression is equal to
$(7 \times 10) \times 6$
A. $7 \times (10 \times 6)$
B. $7 + (10 + 6)$
C. $(7 + 10) + 6$
D. $(7 + 10) \times 6$

6) Which expression is equal to
$5 \times (7 \times 4)$
A. $(5 \times 7) + 4$
B. $(5 + 7) + 4$
C. $(5 \times 7) \times 4$
D. $5 \times (7 + 4)$

7) Which expression is equal to
$(8 \times 3) \times 10$
A. $(8 + 3) \times 10$
B. $8 \times (3 \times 10)$
C. $8 + (3 + 10)$
D. $8 \times (3 + 10)$

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

9) Which expression is equal to
$8 \times (5 \times 2)$
A. $8 \times (5 + 2)$
B. $(8 \times 5) \times 2$
C. $8 + (5 \times 2)$
D. $(8 + 5) \times 2$

10) Which expression is equal to
$(4 \times 6) \times 9$
A. $(4 \times 6) + 9$
B. $4 \times (6 + 9)$
C. $4 \times (6 \times 9)$
D. $4 + (6 \times 9)$

11) Which expression is equal to
$(3 \times 10) \times 9$
A. $3 \times (10 \times 9)$
B. $(3 + 10) + 9$
C. $3 + (10 \times 9)$
D. $3 + (10 + 9)$

12) Which expression is equal to
$(0 \times 1) \times 9$
A. $0 \times (1 + 9)$
B. $0 \times (1 \times 9)$
C. $(0 + 1) + 9$
D. $(0 + 1) \times 9$

Math

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

Determine which choice is an equivalent equation.

Answers

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$(4 \times 5) \times 9$

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C. $(0 + 1) + 9$

D. $(0 + 1) \times 9$

Answers

1. __**A**__

2. __**C**__

3. __**A**__

4. __**B**__

5. __**A**__

6. __**C**__

7. __**B**__

8. __**B**__

9. __**B**__

10. __**C**__

11. __**A**__

12. __**B**__

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