Finding Associative Property

Name:

Determine which choice is not an equivalent equation.

1) Which expression is not equal to
$(8 \times 7) \times 5$

  A. 56×5

  B. 49×5

  C. $8 \times (7 \times 5)$

  D. 8×35

2) Which expression is not equal to
$(8 \times 10) \times 5$

  A. $8 \times (10 \times 5)$

  B. 90×5

  C. 8×50

  D. 80×5

3) Which expression is not equal to
$7 \times (8 \times 4)$

  A. 64×4

  B. $(7 \times 8) \times 4$

  C. 7×32

  D. 56×4

4) Which expression is not equal to
$(5 \times 8) \times 3$

  A. 5×24

  B. $5 \times (8 \times 3)$

  C. $5 + (8 \times 3)$

  D. 40×3

5) Which expression is not equal to
$8 \times (5 \times 7)$

  A. 40×7

  B. $(8 \times 5) \times 7$

  C. 8×35

  D. 8×30

6) Which expression is not equal to
$3 \times (5 \times 8)$

  A. 3×35

  B. 3×40

  C. $(3 \times 5) \times 8$

  D. 15×8

7) Which expression is not equal to
$7 \times (3 \times 4)$

  A. 7×15

  B. 21×4

  C. $(7 \times 3) \times 4$

  D. 7×12

8) Which expression is not equal to
$(7 \times 2) \times 10$

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

  B. 14×10

  C. 7×20

  D. $7 + (2 \times 10)$

9) Which expression is not equal to
$(10 \times 4) \times 5$

  A. 40×5

  B. $10 \times (4 \times 5)$

  C. 36×5

  D. 10×20

10) Which expression is not equal to
$10 \times (4 \times 8)$

  A. 40×8

  B. $(10 \times 4) \times 8$

  C. 10×32

  D. 10×28

11) Which expression is not equal to
$10 \times (5 \times 9)$

  A. 10×45

  B. 50×9

  C. $(10 + 5) \times 9$

  D. $(10 \times 5) \times 9$

12) Which expression is not equal to
$3 \times (6 \times 8)$

  A. 18×8

  B. 12×8

  C. 3×48

  D. $(3 \times 6) \times 8$

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								

Name: **Answer Key**

Determine which choice is not an equivalent equation.

Answers

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12) Which expression is not equal to
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1. **B**
2. **B**
3. **A**
4. **C**
5. **D**
6. **A**
7. **A**
8. **D**
9. **C**
10. **D**
11. **C**
12. **B**

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