



Determine which choice is not an equivalent equation.

Answers

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

- A. 15×8
- B. 4×40
- C. $4 \times (5 \times 8)$
- D. 20×8

2) Which expression is not equal to $(9 \times 8) \times 5$

- A. 9×48
- B. 72×5
- C. 9×40
- D. $9 \times (8 \times 5)$

3) Which expression is not equal to $(5 \times 6) \times 9$

- A. 30×9
- B. 24×9
- C. 5×54
- D. $5 \times (6 \times 9)$

4) Which expression is not equal to $(3 \times 10) \times 7$

- A. 3×70
- B. $3 \times (10 \times 7)$
- C. 3×80
- D. 30×7

5) Which expression is not equal to $3 \times (6 \times 4)$

- A. 3×24
- B. 12×4
- C. 18×4
- D. $(3 \times 6) \times 4$

6) Which expression is not equal to $9 \times (3 \times 2)$

- A. $(9 \times 3) \times 2$
- B. 9×3
- C. 27×2
- D. 9×6

7) Which expression is not equal to $10 \times (7 \times 9)$

- A. $(10 \times 7) \times 9$
- B. 70×9
- C. 10×63
- D. 77×9

8) Which expression is not equal to $(6 \times 2) \times 9$

- A. 12×9
- B. 6×18
- C. $6 + (2 \times 9)$
- D. $6 \times (2 \times 9)$

9) Which expression is not equal to $(8 \times 3) \times 2$

- A. 8×6
- B. 27×2
- C. $8 \times (3 \times 2)$
- D. 24×2

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

- A. $(5 + 4) \times 9$
- B. $(5 \times 4) \times 9$
- C. 5×36
- D. 20×9

11) Which expression is not equal to $(3 \times 9) \times 7$

- A. $3 \times (9 \times 7)$
- B. 27×7
- C. 36×7
- D. 3×63

12) Which expression is not equal to $4 \times (5 \times 6)$

- A. 20×6
- B. $(4 \times 5) \times 6$
- C. 15×6
- D. 4×30

- 1. _____
- 2. _____
- 3. _____
- 4. _____
- 5. _____
- 6. _____
- 7. _____
- 8. _____
- 9. _____
- 10. _____
- 11. _____
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- D. 20×9

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- B. 27×7
- C. 36×7
- D. 3×63

12) Which expression is not equal to $4 \times (5 \times 6)$

- A. 20×6
- B. $(4 \times 5) \times 6$
- C. 15×6
- D. 4×30

1. **A**

2. **A**

3. **B**

4. **C**

5. **B**

6. **B**

7. **D**

8. **C**

9. **B**

10. **A**

11. **C**

12. **C**



Determine which choice is not an equivalent equation.

Answers

1) Which expression is not equal to $(6 \times 4) \times 10$

- A. 6×36
- B. 24×10
- C. $6 \times (4 \times 10)$
- D. 6×40

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

- A. 16×10
- B. 8×20
- C. $8 \times (2 \times 10)$
- D. $8 + (2 \times 10)$

3) Which expression is not equal to $3 \times (9 \times 10)$

- A. $(3 \times 9) \times 10$
- B. 27×10
- C. 18×10
- D. 3×90

4) Which expression is not equal to $4 \times (2 \times 7)$

- A. $(4 \times 2) \times 7$
- B. 4×14
- C. 8×7
- D. 6×7

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

- A. 10×20
- B. 44×5
- C. $(10 \times 4) \times 5$
- D. 40×5

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

- A. 90×5
- B. $(10 \times 9) \times 5$
- C. $(10 + 9) \times 5$
- D. 10×45

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

- A. $6 \times (3 \times 5)$
- B. 6×15
- C. 15×5
- D. 18×5

8) Which expression is not equal to $(7 \times 5) \times 9$

- A. 35×9
- B. $7 \times (5 \times 9)$
- C. 7×45
- D. $7 + (5 \times 9)$

9) Which expression is not equal to $4 \times (9 \times 2)$

- A. $(4 \times 9) \times 2$
- B. 4×18
- C. 36×2
- D. 27×2

10) Which expression is not equal to $3 \times (10 \times 7)$

- A. $(3 \times 10) \times 7$
- B. 30×7
- C. 3×70
- D. 20×7

11) Which expression is not equal to $(6 \times 7) \times 8$

- A. 42×8
- B. $6 \times (7 \times 8)$
- C. 6×56
- D. $6 + (7 \times 8)$

12) Which expression is not equal to $(2 \times 8) \times 4$

- A. $2 + (8 \times 4)$
- B. 2×32
- C. $2 \times (8 \times 4)$
- D. 16×4

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



Determine which choice is not an equivalent equation.

Answers

1) Which expression is not equal to $(6 \times 4) \times 10$

- A. 6×36
- B. 24×10
- C. $6 \times (4 \times 10)$
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- A. 16×10
- B. 8×20
- C. $8 \times (2 \times 10)$
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- D. 3×90

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- B. 44×5
- C. $(10 \times 4) \times 5$
- D. 40×5

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

- A. 90×5
- B. $(10 \times 9) \times 5$
- C. $(10 + 9) \times 5$
- D. 10×45

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- A. $6 \times (3 \times 5)$
- B. 6×15
- C. 15×5
- D. 18×5

8) Which expression is not equal to $(7 \times 5) \times 9$

- A. 35×9
- B. $7 \times (5 \times 9)$
- C. 7×45
- D. $7 + (5 \times 9)$

9) Which expression is not equal to $4 \times (9 \times 2)$

- A. $(4 \times 9) \times 2$
- B. 4×18
- C. 36×2
- D. 27×2

10) Which expression is not equal to $3 \times (10 \times 7)$

- A. $(3 \times 10) \times 7$
- B. 30×7
- C. 3×70
- D. 20×7

11) Which expression is not equal to $(6 \times 7) \times 8$

- A. 42×8
- B. $6 \times (7 \times 8)$
- C. 6×56
- D. $6 + (7 \times 8)$

12) Which expression is not equal to $(2 \times 8) \times 4$

- A. $2 + (8 \times 4)$
- B. 2×32
- C. $2 \times (8 \times 4)$
- D. 16×4

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



Determine which choice is not an equivalent equation.

Answers

1) Which expression is not equal to $(5 \times 7) \times 2$

- A. 5×14
- B. $5 \times (7 \times 2)$
- C. 5×21
- D. 35×2

2) Which expression is not equal to $4 \times (10 \times 2)$

- A. 4×20
- B. $(4 \times 10) \times 2$
- C. $(4 + 10) \times 2$
- D. 40×2

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

- A. $(5 + 8) \times 6$
- B. 5×48
- C. 40×6
- D. $(5 \times 8) \times 6$

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

- A. 15×9
- B. $(4 \times 5) \times 9$
- C. 4×45
- D. 20×9

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

- A. 40×2
- B. $8 \times (5 \times 2)$
- C. 8×10
- D. 35×2

6) Which expression is not equal to $10 \times (3 \times 9)$

- A. 30×9
- B. 10×27
- C. $(10 + 3) \times 9$
- D. $(10 \times 3) \times 9$

7) Which expression is not equal to $(5 \times 7) \times 2$

- A. 42×2
- B. $5 \times (7 \times 2)$
- C. 5×14
- D. 35×2

8) Which expression is not equal to $2 \times (8 \times 4)$

- A. $(2 \times 8) \times 4$
- B. 16×4
- C. 2×32
- D. 2×40

9) Which expression is not equal to $5 \times (7 \times 3)$

- A. 28×3
- B. $(5 \times 7) \times 3$
- C. 5×21
- D. 35×3

10) Which expression is not equal to $2 \times (10 \times 4)$

- A. 2×30
- B. 2×40
- C. 20×4
- D. $(2 \times 10) \times 4$

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

- A. 70×8
- B. $7 \times (10 \times 8)$
- C. 7×80
- D. 60×8

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

- A. 9×60
- B. 9×50
- C. $(9 \times 10) \times 5$
- D. 90×5

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



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- A. 5×14
- B. $5 \times (7 \times 2)$
- C. 5×21
- D. 35×2

2) Which expression is not equal to $4 \times (10 \times 2)$

- A. 4×20
- B. $(4 \times 10) \times 2$
- C. $(4 + 10) \times 2$
- D. 40×2

1. **C**

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

- A. $(5 + 8) \times 6$
- B. 5×48
- C. 40×6
- D. $(5 \times 8) \times 6$

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

- A. 15×9
- B. $(4 \times 5) \times 9$
- C. 4×45
- D. 20×9

2. **C**

3. **A**

4. **A**

5. **D**

6. **C**

7. **A**

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

- A. 40×2
- B. $8 \times (5 \times 2)$
- C. 8×10
- D. 35×2

6) Which expression is not equal to $10 \times (3 \times 9)$

- A. 30×9
- B. 10×27
- C. $(10 + 3) \times 9$
- D. $(10 \times 3) \times 9$

8. **D**

9. **A**

10. **A**

7) Which expression is not equal to $(5 \times 7) \times 2$

- A. 42×2
- B. $5 \times (7 \times 2)$
- C. 5×14
- D. 35×2

8) Which expression is not equal to $2 \times (8 \times 4)$

- A. $(2 \times 8) \times 4$
- B. 16×4
- C. 2×32
- D. 2×40

11. **D**

12. **A**

9) Which expression is not equal to $5 \times (7 \times 3)$

- A. 28×3
- B. $(5 \times 7) \times 3$
- C. 5×21
- D. 35×3

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- B. 2×40
- C. 20×4
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11) Which expression is not equal to $(7 \times 10) \times 8$

- A. 70×8
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- C. 7×80
- D. 60×8

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

- A. 9×60
- B. 9×50
- C. $(9 \times 10) \times 5$
- D. 90×5



Determine which choice is not an equivalent equation.

Answers

1) Which expression is not equal to $(8 \times 6) \times 4$

- A. 8×18
- B. 48×4
- C. $8 \times (6 \times 4)$
- D. 8×24

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

- A. $(7 \times 3) \times 4$
- B. $(7 + 3) \times 4$
- C. 7×12
- D. 21×4

3) Which expression is not equal to $7 \times (9 \times 2)$

- A. 72×2
- B. 63×2
- C. 7×18
- D. $(7 \times 9) \times 2$

4) Which expression is not equal to $6 \times (9 \times 5)$

- A. 54×5
- B. $(6 \times 9) \times 5$
- C. 63×5
- D. 6×45

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

- A. $(3 \times 4) \times 5$
- B. 12×5
- C. $(3 + 4) \times 5$
- D. 3×20

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

- A. 10×14
- B. $(10 \times 7) \times 2$
- C. 77×2
- D. 70×2

7) Which expression is not equal to $10 \times (9 \times 6)$

- A. $(10 + 9) \times 6$
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- C. 10×54
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- B. 18×8
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- A. 2×30
- B. 2×36
- C. 12×5
- D. $2 \times (6 \times 5)$

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- A. $(3 + 10) \times 7$
- B. 30×7
- C. 3×70
- D. $(3 \times 10) \times 7$

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- D. 90×6

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- B. 72×2
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- D. 8×18

9) Which expression is not equal to $(9 \times 2) \times 8$

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- B. 18×8
- C. 9×16
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- B. 2×36
- C. 12×5
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- A. $(3 + 10) \times 7$
- B. 30×7
- C. 3×70
- D. $(3 \times 10) \times 7$

1. **A**

2. **B**

3. **A**

4. **C**

5. **C**

6. **C**

7. **A**

8. **A**

9. **D**

10. **B**

11. **B**

12. **A**



Determine which choice is not an equivalent equation.

Answers

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

- A. $8 + (4 \times 3)$
- B. 32×3
- C. 8×12
- D. $8 \times (4 \times 3)$

2) Which expression is not equal to $(9 \times 6) \times 8$

- A. $9 \times (6 \times 8)$
- B. 54×8
- C. 9×48
- D. 9×54

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

- A. $(7 \times 8) \times 10$
- B. 48×10
- C. 56×10
- D. 7×80

4) Which expression is not equal to $(7 \times 4) \times 9$

- A. $7 \times (4 \times 9)$
- B. $7 + (4 \times 9)$
- C. 7×36
- D. 28×9

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

- A. $(3 \times 4) \times 5$
- B. 3×20
- C. 3×16
- D. 12×5

6) Which expression is not equal to $(10 \times 6) \times 8$

- A. $10 + (6 \times 8)$
- B. $10 \times (6 \times 8)$
- C. 60×8
- D. 10×48

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

- A. $8 \times (5 \times 10)$
- B. $8 + (5 \times 10)$
- C. 8×50
- D. 40×10

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

- A. $2 + (5 \times 8)$
- B. 10×8
- C. 2×40
- D. $2 \times (5 \times 8)$

9) Which expression is not equal to $10 \times (7 \times 9)$

- A. 63×9
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- C. 70×9
- D. 10×63

10) Which expression is not equal to $3 \times (10 \times 6)$

- A. $(3 \times 10) \times 6$
- B. 3×60
- C. 3×70
- D. 30×6

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

- A. 5×90
- B. $(5 \times 9) \times 10$
- C. $(5 + 9) \times 10$
- D. 45×10

12) Which expression is not equal to $(4 \times 3) \times 2$

- A. 4×3
- B. 4×6
- C. 12×2
- D. $4 \times (3 \times 2)$

- 1. _____
- 2. _____
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- B. 54×8
- C. 9×48
- D. 9×54

1. **A**

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- C. 56×10
- D. 7×80

4) Which expression is not equal to $(7 \times 4) \times 9$

- A. $7 \times (4 \times 9)$
- B. $7 + (4 \times 9)$
- C. 7×36
- D. 28×9

2. **D**

3. **B**

4. **B**

5. **C**

6. **A**

7. **B**

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

- A. $(3 \times 4) \times 5$
- B. 3×20
- C. 3×16
- D. 12×5

6) Which expression is not equal to $(10 \times 6) \times 8$

- A. $10 + (6 \times 8)$
- B. $10 \times (6 \times 8)$
- C. 60×8
- D. 10×48

8. **A**

9. **A**

10. **C**

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

- A. $8 \times (5 \times 10)$
- B. $8 + (5 \times 10)$
- C. 8×50
- D. 40×10

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

- A. $2 + (5 \times 8)$
- B. 10×8
- C. 2×40
- D. $2 \times (5 \times 8)$

11. **C**

12. **A**

9) Which expression is not equal to $10 \times (7 \times 9)$

- A. 63×9
- B. $(10 \times 7) \times 9$
- C. 70×9
- D. 10×63

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

- A. 5×90
- B. $(5 \times 9) \times 10$
- C. $(5 + 9) \times 10$
- D. 45×10

12) Which expression is not equal to $(4 \times 3) \times 2$

- A. 4×3
- B. 4×6
- C. 12×2
- D. $4 \times (3 \times 2)$



Determine which choice is not an equivalent equation.

Answers

1) Which expression is not equal to $5 \times (9 \times 3)$

- A. 36×3
- B. $(5 \times 9) \times 3$
- C. 5×27
- D. 45×3

2) Which expression is not equal to $(7 \times 9) \times 4$

- A. 7×36
- B. $7 + (9 \times 4)$
- C. 63×4
- D. $7 \times (9 \times 4)$

3) Which expression is not equal to $(9 \times 7) \times 8$

- A. 63×8
- B. $9 \times (7 \times 8)$
- C. 9×49
- D. 9×56

4) Which expression is not equal to $(4 \times 10) \times 6$

- A. $4 \times (10 \times 6)$
- B. 40×6
- C. 4×60
- D. 50×6

5) Which expression is not equal to $9 \times (2 \times 7)$

- A. $(9 \times 2) \times 7$
- B. 18×7
- C. 9×14
- D. 9×16

6) Which expression is not equal to $6 \times (5 \times 4)$

- A. $(6 \times 5) \times 4$
- B. 6×20
- C. 30×4
- D. 6×15

7) Which expression is not equal to $(9 \times 10) \times 8$

- A. $9 \times (10 \times 8)$
- B. 90×8
- C. 100×8
- D. 9×80

8) Which expression is not equal to $9 \times (4 \times 3)$

- A. 36×3
- B. 40×3
- C. 9×12
- D. $(9 \times 4) \times 3$

9) Which expression is not equal to $(3 \times 9) \times 4$

- A. $3 \times (9 \times 4)$
- B. 3×36
- C. 36×4
- D. 27×4

10) Which expression is not equal to $(2 \times 9) \times 3$

- A. 2×27
- B. $2 \times (9 \times 3)$
- C. 18×3
- D. 2×18

11) Which expression is not equal to $(10 \times 7) \times 9$

- A. $10 \times (7 \times 9)$
- B. 10×70
- C. 70×9
- D. 10×63

12) Which expression is not equal to $(9 \times 8) \times 2$

- A. 9×16
- B. 80×2
- C. 72×2
- D. $9 \times (8 \times 2)$

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



Determine which choice is not an equivalent equation.

Answers

1) Which expression is not equal to $5 \times (9 \times 3)$

- A. 36×3
- B. $(5 \times 9) \times 3$
- C. 5×27
- D. 45×3

2) Which expression is not equal to $(7 \times 9) \times 4$

- A. 7×36
- B. $7 + (9 \times 4)$
- C. 63×4
- D. $7 \times (9 \times 4)$

1. **A**

3) Which expression is not equal to $(9 \times 7) \times 8$

- A. 63×8
- B. $9 \times (7 \times 8)$
- C. 9×49
- D. 9×56

4) Which expression is not equal to $(4 \times 10) \times 6$

- A. $4 \times (10 \times 6)$
- B. 40×6
- C. 4×60
- D. 50×6

2. **B**

3. **C**

4. **D**

5. **D**

6. **D**

7. **C**

5) Which expression is not equal to $9 \times (2 \times 7)$

- A. $(9 \times 2) \times 7$
- B. 18×7
- C. 9×14
- D. 9×16

6) Which expression is not equal to $6 \times (5 \times 4)$

- A. $(6 \times 5) \times 4$
- B. 6×20
- C. 30×4
- D. 6×15

8. **B**

9. **C**

10. **D**

7) Which expression is not equal to $(9 \times 10) \times 8$

- A. $9 \times (10 \times 8)$
- B. 90×8
- C. 100×8
- D. 9×80

8) Which expression is not equal to $9 \times (4 \times 3)$

- A. 36×3
- B. 40×3
- C. 9×12
- D. $(9 \times 4) \times 3$

11. **B**

12. **B**

9) Which expression is not equal to $(3 \times 9) \times 4$

- A. $3 \times (9 \times 4)$
- B. 3×36
- C. 36×4
- D. 27×4

10) Which expression is not equal to $(2 \times 9) \times 3$

- A. 2×27
- B. $2 \times (9 \times 3)$
- C. 18×3
- D. 2×18

11) Which expression is not equal to $(10 \times 7) \times 9$

- A. $10 \times (7 \times 9)$
- B. 10×70
- C. 70×9
- D. 10×63

12) Which expression is not equal to $(9 \times 8) \times 2$

- A. 9×16
- B. 80×2
- C. 72×2
- D. $9 \times (8 \times 2)$



Determine which choice is not an equivalent equation.

Answers

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

- A. 40×7
- B. 5×48
- C. 5×56
- D. $(5 \times 8) \times 7$

2) Which expression is not equal to $4 \times (5 \times 6)$

- A. $(4 \times 5) \times 6$
- B. 20×6
- C. 25×6
- D. 4×30

3) Which expression is not equal to $(6 \times 10) \times 5$

- A. 60×5
- B. 6×60
- C. 6×50
- D. $6 \times (10 \times 5)$

4) Which expression is not equal to $(7 \times 5) \times 6$

- A. 7×35
- B. 35×6
- C. $7 \times (5 \times 6)$
- D. 7×30

5) Which expression is not equal to $(5 \times 9) \times 3$

- A. $5 \times (9 \times 3)$
- B. $5 + (9 \times 3)$
- C. 5×27
- D. 45×3

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

- A. 32×7
- B. 36×7
- C. $(8 \times 4) \times 7$
- D. 8×28

7) Which expression is not equal to $3 \times (2 \times 4)$

- A. 3×8
- B. 6×4
- C. $(3 \times 2) \times 4$
- D. 3×6

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

- A. 8×15
- B. 40×4
- C. $(8 \times 5) \times 4$
- D. 8×20

9) Which expression is not equal to $(10 \times 7) \times 4$

- A. $10 \times (7 \times 4)$
- B. 10×28
- C. 70×4
- D. $10 + (7 \times 4)$

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

- A. 5×40
- B. 5×30
- C. 50×4
- D. $(5 \times 10) \times 4$

11) Which expression is not equal to $9 \times (5 \times 6)$

- A. 9×35
- B. $(9 \times 5) \times 6$
- C. 9×30
- D. 45×6

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

- A. 8×30
- B. $8 \times (5 \times 6)$
- C. $8 + (5 \times 6)$
- D. 40×6

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



Determine which choice is not an equivalent equation.

Answers

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

- A. 40×7
- B. 5×48
- C. 5×56
- D. $(5 \times 8) \times 7$

2) Which expression is not equal to $4 \times (5 \times 6)$

- A. $(4 \times 5) \times 6$
- B. 20×6
- C. 25×6
- D. 4×30

3) Which expression is not equal to $(6 \times 10) \times 5$

- A. 60×5
- B. 6×60
- C. 6×50
- D. $6 \times (10 \times 5)$

4) Which expression is not equal to $(7 \times 5) \times 6$

- A. 7×35
- B. 35×6
- C. $7 \times (5 \times 6)$
- D. 7×30

5) Which expression is not equal to $(5 \times 9) \times 3$

- A. $5 \times (9 \times 3)$
- B. $5 + (9 \times 3)$
- C. 5×27
- D. 45×3

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

- A. 32×7
- B. 36×7
- C. $(8 \times 4) \times 7$
- D. 8×28

7) Which expression is not equal to $3 \times (2 \times 4)$

- A. 3×8
- B. 6×4
- C. $(3 \times 2) \times 4$
- D. 3×6

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

- A. 8×15
- B. 40×4
- C. $(8 \times 5) \times 4$
- D. 8×20

9) Which expression is not equal to $(10 \times 7) \times 4$

- A. $10 \times (7 \times 4)$
- B. 10×28
- C. 70×4
- D. $10 + (7 \times 4)$

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

- A. 5×40
- B. 5×30
- C. 50×4
- D. $(5 \times 10) \times 4$

11) Which expression is not equal to $9 \times (5 \times 6)$

- A. 9×35
- B. $(9 \times 5) \times 6$
- C. 9×30
- D. 45×6

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

- A. 8×30
- B. $8 \times (5 \times 6)$
- C. $8 + (5 \times 6)$
- D. 40×6

1. **B**

2. **C**

3. **B**

4. **A**

5. **B**

6. **B**

7. **D**

8. **A**

9. **D**

10. **B**

11. **A**

12. **C**



Determine which choice is not an equivalent equation.

Answers

1) Which expression is not equal to $(3 \times 6) \times 9$

- A. $3 \times (6 \times 9)$
- B. 12×9
- C. 18×9
- D. 3×54

2) Which expression is not equal to $6 \times (10 \times 3)$

- A. 6×20
- B. $(6 \times 10) \times 3$
- C. 60×3
- D. 6×30

3) Which expression is not equal to $5 \times (2 \times 3)$

- A. 5×6
- B. 5×8
- C. $(5 \times 2) \times 3$
- D. 10×3

4) Which expression is not equal to $6 \times (9 \times 2)$

- A. $(6 \times 9) \times 2$
- B. $(6 + 9) \times 2$
- C. 54×2
- D. 6×18

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

- A. $8 \times (7 \times 10)$
- B. 56×10
- C. 8×70
- D. 8×77

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

- A. 50×4
- B. $5 + (10 \times 4)$
- C. 5×40
- D. $5 \times (10 \times 4)$

7) Which expression is not equal to $2 \times (3 \times 6)$

- A. 2×18
- B. 6×6
- C. $(2 + 3) \times 6$
- D. $(2 \times 3) \times 6$

8) Which expression is not equal to $9 \times (2 \times 10)$

- A. 18×10
- B. 9×18
- C. 9×20
- D. $(9 \times 2) \times 10$

9) Which expression is not equal to $(5 \times 3) \times 7$

- A. 5×21
- B. $5 \times (3 \times 7)$
- C. 15×7
- D. $5 + (3 \times 7)$

10) Which expression is not equal to $(3 \times 10) \times 6$

- A. $3 \times (10 \times 6)$
- B. 20×6
- C. 3×60
- D. 30×6

11) Which expression is not equal to $10 \times (7 \times 3)$

- A. $(10 \times 7) \times 3$
- B. 10×21
- C. 70×3
- D. 63×3

12) Which expression is not equal to $10 \times (5 \times 6)$

- A. 10×30
- B. $(10 \times 5) \times 6$
- C. 50×6
- D. $(10 + 5) \times 6$

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



Determine which choice is not an equivalent equation.

Answers

1) Which expression is not equal to $(3 \times 6) \times 9$

- A. $3 \times (6 \times 9)$
- B. 12×9
- C. 18×9
- D. 3×54

2) Which expression is not equal to $6 \times (10 \times 3)$

- A. 6×20
- B. $(6 \times 10) \times 3$
- C. 60×3
- D. 6×30

3) Which expression is not equal to $5 \times (2 \times 3)$

- A. 5×6
- B. 5×8
- C. $(5 \times 2) \times 3$
- D. 10×3

4) Which expression is not equal to $6 \times (9 \times 2)$

- A. $(6 \times 9) \times 2$
- B. $(6 + 9) \times 2$
- C. 54×2
- D. 6×18

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

- A. $8 \times (7 \times 10)$
- B. 56×10
- C. 8×70
- D. 8×77

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

- A. 50×4
- B. $5 + (10 \times 4)$
- C. 5×40
- D. $5 \times (10 \times 4)$

7) Which expression is not equal to $2 \times (3 \times 6)$

- A. 2×18
- B. 6×6
- C. $(2 + 3) \times 6$
- D. $(2 \times 3) \times 6$

8) Which expression is not equal to $9 \times (2 \times 10)$

- A. 18×10
- B. 9×18
- C. 9×20
- D. $(9 \times 2) \times 10$

9) Which expression is not equal to $(5 \times 3) \times 7$

- A. 5×21
- B. $5 \times (3 \times 7)$
- C. 15×7
- D. $5 + (3 \times 7)$

10) Which expression is not equal to $(3 \times 10) \times 6$

- A. $3 \times (10 \times 6)$
- B. 20×6
- C. 3×60
- D. 30×6

11) Which expression is not equal to $10 \times (7 \times 3)$

- A. $(10 \times 7) \times 3$
- B. 10×21
- C. 70×3
- D. 63×3

12) Which expression is not equal to $10 \times (5 \times 6)$

- A. 10×30
- B. $(10 \times 5) \times 6$
- C. 50×6
- D. $(10 + 5) \times 6$

1. **B**

2. **A**

3. **B**

4. **B**

5. **D**

6. **B**

7. **C**

8. **B**

9. **D**

10. **B**

11. **D**

12. **D**



Determine which choice is not an equivalent equation.

Answers

1) Which expression is not equal to $(6 \times 10) \times 4$

- A. 6×40
- B. $6 \times (10 \times 4)$
- C. $6 + (10 \times 4)$
- D. 60×4

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

- A. $(8 \times 3) \times 5$
- B. 24×5
- C. 8×15
- D. $(8 + 3) \times 5$

3) Which expression is not equal to $2 \times (9 \times 5)$

- A. 18×5
- B. 27×5
- C. $(2 \times 9) \times 5$
- D. 2×45

4) Which expression is not equal to $(6 \times 7) \times 8$

- A. 42×8
- B. $6 + (7 \times 8)$
- C. $6 \times (7 \times 8)$
- D. 6×56

5) Which expression is not equal to $2 \times (3 \times 9)$

- A. 2×30
- B. $(2 \times 3) \times 9$
- C. 2×27
- D. 6×9

6) Which expression is not equal to $(6 \times 8) \times 4$

- A. $6 \times (8 \times 4)$
- B. 48×4
- C. 56×4
- D. 6×32

7) Which expression is not equal to $(2 \times 3) \times 8$

- A. 6×8
- B. $2 \times (3 \times 8)$
- C. $2 + (3 \times 8)$
- D. 2×24

8) Which expression is not equal to $(4 \times 6) \times 3$

- A. 4×18
- B. 24×3
- C. 4×24
- D. $4 \times (6 \times 3)$

9) Which expression is not equal to $(3 \times 6) \times 4$

- A. 3×24
- B. 24×4
- C. $3 \times (6 \times 4)$
- D. 18×4

10) Which expression is not equal to $3 \times (2 \times 9)$

- A. 6×9
- B. 3×18
- C. $(3 \times 2) \times 9$
- D. $(3 + 2) \times 9$

11) Which expression is not equal to $(7 \times 8) \times 6$

- A. 7×48
- B. 7×40
- C. 56×6
- D. $7 \times (8 \times 6)$

12) Which expression is not equal to $10 \times (6 \times 5)$

- A. $(10 + 6) \times 5$
- B. $(10 \times 6) \times 5$
- C. 60×5
- D. 10×30

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



Determine which choice is not an equivalent equation.

Answers

1) Which expression is not equal to $(6 \times 10) \times 4$

- A. 6×40
- B. $6 \times (10 \times 4)$
- C. $6 + (10 \times 4)$
- D. 60×4

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

- A. $(8 \times 3) \times 5$
- B. 24×5
- C. 8×15
- D. $(8 + 3) \times 5$

3) Which expression is not equal to $2 \times (9 \times 5)$

- A. 18×5
- B. 27×5
- C. $(2 \times 9) \times 5$
- D. 2×45

4) Which expression is not equal to $(6 \times 7) \times 8$

- A. 42×8
- B. $6 + (7 \times 8)$
- C. $6 \times (7 \times 8)$
- D. 6×56

5) Which expression is not equal to $2 \times (3 \times 9)$

- A. 2×30
- B. $(2 \times 3) \times 9$
- C. 2×27
- D. 6×9

6) Which expression is not equal to $(6 \times 8) \times 4$

- A. $6 \times (8 \times 4)$
- B. 48×4
- C. 56×4
- D. 6×32

7) Which expression is not equal to $(2 \times 3) \times 8$

- A. 6×8
- B. $2 \times (3 \times 8)$
- C. $2 + (3 \times 8)$
- D. 2×24

8) Which expression is not equal to $(4 \times 6) \times 3$

- A. 4×18
- B. 24×3
- C. 4×24
- D. $4 \times (6 \times 3)$

9) Which expression is not equal to $(3 \times 6) \times 4$

- A. 3×24
- B. 24×4
- C. $3 \times (6 \times 4)$
- D. 18×4

10) Which expression is not equal to $3 \times (2 \times 9)$

- A. 6×9
- B. 3×18
- C. $(3 \times 2) \times 9$
- D. $(3 + 2) \times 9$

11) Which expression is not equal to $(7 \times 8) \times 6$

- A. 7×48
- B. 7×40
- C. 56×6
- D. $7 \times (8 \times 6)$

12) Which expression is not equal to $10 \times (6 \times 5)$

- A. $(10 + 6) \times 5$
- B. $(10 \times 6) \times 5$
- C. 60×5
- D. 10×30

1. **C**

2. **D**

3. **B**

4. **B**

5. **A**

6. **C**

7. **C**

8. **C**

9. **B**

10. **D**

11. **B**

12. **A**



Determine which choice is not an equivalent equation.

Answers

1) Which expression is not equal to $4 \times (2 \times 10)$

- A. 10×10
- B. $(4 \times 2) \times 10$
- C. 8×10
- D. 4×20

2) Which expression is not equal to $(2 \times 3) \times 4$

- A. $2 \times (3 \times 4)$
- B. 6×4
- C. 2×9
- D. 2×12

3) Which expression is not equal to $8 \times (9 \times 7)$

- A. $(8 \times 9) \times 7$
- B. 72×7
- C. $(8 + 9) \times 7$
- D. 8×63

4) Which expression is not equal to $9 \times (7 \times 3)$

- A. $(9 \times 7) \times 3$
- B. 63×3
- C. $(9 + 7) \times 3$
- D. 9×21

5) Which expression is not equal to $4 \times (6 \times 2)$

- A. 4×18
- B. $(4 \times 6) \times 2$
- C. 4×12
- D. 24×2

6) Which expression is not equal to $3 \times (9 \times 6)$

- A. 27×6
- B. 3×54
- C. $(3 \times 9) \times 6$
- D. $(3 + 9) \times 6$

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

- A. 5×48
- B. 32×6
- C. $5 \times (8 \times 6)$
- D. 40×6

8) Which expression is not equal to $(6 \times 5) \times 7$

- A. 6×40
- B. 6×35
- C. $6 \times (5 \times 7)$
- D. 30×7

9) Which expression is not equal to $4 \times (6 \times 9)$

- A. $(4 + 6) \times 9$
- B. $(4 \times 6) \times 9$
- C. 24×9
- D. 4×54

10) Which expression is not equal to $5 \times (6 \times 10)$

- A. 30×10
- B. $(5 \times 6) \times 10$
- C. 5×60
- D. 36×10

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

- A. 8×21
- B. 49×3
- C. 56×3
- D. $(8 \times 7) \times 3$

12) Which expression is not equal to $(4 \times 2) \times 7$

- A. 4×12
- B. $4 \times (2 \times 7)$
- C. 8×7
- D. 4×14

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



Determine which choice is not an equivalent equation.

Answers

1) Which expression is not equal to $4 \times (2 \times 10)$

- A. 10×10
- B. $(4 \times 2) \times 10$
- C. 8×10
- D. 4×20

2) Which expression is not equal to $(2 \times 3) \times 4$

- A. $2 \times (3 \times 4)$
- B. 6×4
- C. 2×9
- D. 2×12

3) Which expression is not equal to $8 \times (9 \times 7)$

- A. $(8 \times 9) \times 7$
- B. 72×7
- C. $(8 + 9) \times 7$
- D. 8×63

4) Which expression is not equal to $9 \times (7 \times 3)$

- A. $(9 \times 7) \times 3$
- B. 63×3
- C. $(9 + 7) \times 3$
- D. 9×21

5) Which expression is not equal to $4 \times (6 \times 2)$

- A. 4×18
- B. $(4 \times 6) \times 2$
- C. 4×12
- D. 24×2

6) Which expression is not equal to $3 \times (9 \times 6)$

- A. 27×6
- B. 3×54
- C. $(3 \times 9) \times 6$
- D. $(3 + 9) \times 6$

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

- A. 5×48
- B. 32×6
- C. $5 \times (8 \times 6)$
- D. 40×6

8) Which expression is not equal to $(6 \times 5) \times 7$

- A. 6×40
- B. 6×35
- C. $6 \times (5 \times 7)$
- D. 30×7

9) Which expression is not equal to $4 \times (6 \times 9)$

- A. $(4 + 6) \times 9$
- B. $(4 \times 6) \times 9$
- C. 24×9
- D. 4×54

10) Which expression is not equal to $5 \times (6 \times 10)$

- A. 30×10
- B. $(5 \times 6) \times 10$
- C. 5×60
- D. 36×10

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

- A. 8×21
- B. 49×3
- C. 56×3
- D. $(8 \times 7) \times 3$

12) Which expression is not equal to $(4 \times 2) \times 7$

- A. 4×12
- B. $4 \times (2 \times 7)$
- C. 8×7
- D. 4×14

1. **A**

2. **C**

3. **C**

4. **C**

5. **A**

6. **D**

7. **B**

8. **A**

9. **A**

10. **D**

11. **B**

12. **A**