ORDER OF OPERATIONS - A

ANSWERS - PAGE 1

ORDER OF OPERATIONS

1. PARENTHESES ( )
2. EXPONENTS $3^2 = 3 \times 3$
3. MULTIPLICATION AND DIVISION $\times$ $\div$
4. ADDITION AND SUBTRACTION $+$ $-$

HELPFUL EXAMPLE

5 + 3 x 2
5 + 6
11

ANSWER: 11

LOOK AT THE LIST ON THE LEFT. WE HAVE TO MULTIPLY BEFORE WE ADD.

USE THE ORDER OF OPERATIONS TO SOLVE EACH PROBLEM.

1. 6 - 8 ÷ 2
   6 - 4
   2
2. 1 x 2 + 4
   6
3. 9 ÷ 3 + 5
   8
4. 3 + 0 x 6
   3
5. 10 ÷ 2 - 4
   1
6. 2 x 8 - 6
   10
7. 8 - 4 ÷ 2
   6
8. 3 x 4 - 2
   10
9. 5 + 3 x 7
   26

LOOK AT THE LIST. DO PARENTHESES FIRST.

10. (7 - 4) x 5
    3 x 5
    15
11. 3 x (2 + 6)
    24
12. (5 + 5) ÷ 5
    2
13. 14 - 10 ÷ 2
    9
14. (9 - 3) ÷ 3
    2
15. 24 ÷ 6 - 2
    2
16. (7 + 2) x 4
    36
17. 24 ÷ (6 - 2)
    6
18. 7 + 2 x 4
    15

ORDER OF OPERATIONS - B

ANSWERS - PAGE 2

ORDER OF OPERATIONS

1. PARENTHESES ( )
2. EXPONENTS $3^2 = 3 \times 3$
3. MULTIPLICATION AND DIVISION $\times$ $\div$
4. ADDITION AND SUBTRACTION $+$ $-$

HELPFUL EXAMPLE

8 ÷ 4 x 2
2 x 2
4

ANSWER: 4

WHEN YOU HAVE MULTIPLICATION AND DIVISION WITH NO PARENTHESES YOU SOLVE FROM LEFT TO RIGHT. IT'S LIKE READING A BOOK.

USE THE ORDER OF OPERATIONS TO SOLVE EACH PROBLEM.

1. 24 ÷ 6 x 2
   8
2. 9 x 6 ÷ 3
   18
3. 6 ÷ 3 x 9
   18

PARENTHESES!

4. 6 x (8 ÷ 2)
   24
5. 14 ÷ (2 x 7)
   1
6. 14 ÷ 2 x 7
   49

DO THE SAME FOR ADDITION AND SUBTRACTION.

7. 20 - 8 + 5
   12 + 5
   17
8. 18 + 5 - 12
   11
9. 31 - 13 + 6
   24
10. 17 + (9 - 4)
    22
11. 25 - (8 + 7)
    10
12. 25 - 8 + 7
    24

REVIEW.

13. 5 x (4 + 7)
    55
14. 29 - 9 + 3
    23
15. 40 ÷ (4 x 2)
    5
16. 32 - 8 ÷ 4
    30
17. 12 ÷ 6 x 2
    4
18. 18 + (5 - 3)
    20