

ORDER OF OPERATIONS - A

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

HELPFUL EXAMPLE

$15 - 3 \times 4 + 5$
 $15 - 12 + 5$
 $3 + 5$
 8

1. MULTIPLY.

2. SUBTRACT.

3. ADD.

WHY IS SUBTRACTION BEFORE ADDITION?

ANSWER: 8

USE THE ORDER OF OPERATIONS TO SOLVE EACH PROBLEM.

1. $13 - 8 \div 2 \times 2$ 2. $3 + 5 \times 7 - 8$ 3. $4 \times 6 \div 2 + 4$

$13 - 4 \times 2$
 $13 - 8$
 5

30

14

4. $17 - 3 + 12 \div 4$ 5. $5 \times 2 + 6 \times 3$ 6. $48 \div 8 - 2 - 2$

17

28

2

7. $4 + 16 \div 2 + 6$ 8. $5 \times 7 - 3 + 4$ 9. $32 \div 4 \div 2 \times 2$

18

36

8

LOOK AT THE LIST. DO PARENTHESES FIRST.

10. $(6 - 4) \times 5 + 7$ 11. $60 \div 10 - (3 + 2)$ 12. $11 \times (9 \div 3) - 3$

$2 \times 5 + 7$
 $10 + 7$
 17

1

30

13. $60 \div 10 - 3 + 2$ 14. $(8 - 2) \times (2 + 3)$ 15. $8 - 2 \times 2 + 3$

5

30

7

16. $(7 + 9) \div 2 \times 4$ 17. $26 - 5 - 4 + 7$ 18. $26 - (5 - 4 + 7)$

32

24

18