

ORDER OF OPERATIONS - B

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

HELPFUL EXAMPLE

1. DIVIDE.
2. MULTIPLY.
3. ADD.

$$16 \div 4 \times 2 + 3$$

WHY IS DIVISION BEFORE MULTIPLICATION?

ANSWER: 11

USE THE ORDER OF OPERATIONS TO SOLVE EACH PROBLEM.

1. $16 - 14 \div 2 + 2$ 2. $6 \times 3 - 2 \times 8$ 3. $12 + 14 - 6 \div 2$

11

2

23

4. $36 \div 3 \times 2 - 5$ 5. $9 \times 5 - 3 + 7$ 6. $26 - 24 \div 4 \times 2$

19

49

14

7. $6 \times 6 + 24 \div 4$ 8. $42 - 12 + 4 \times 3$ 9. $5 + 2 \times 5 \times 3$

42

42

35

LOOK AT THE LIST. DO PARENTHESES FIRST.

10. $(8 - 2) \times 5 + 3$ 11. $24 - (8 + 8) \div 4$ 12. $7 \times 6 + (6 \div 2)$

33

20

45

13. $5 \times 8 - 5 + 3$ 14. $(8 \div 4) + (3 \times 6)$ 15. $24 - 8 + 8 \div 4$

38

20

18

16. $5 \times (8 - 5 + 3)$ 17. $40 \div 4 + 6 \div 2$ 18. $40 \div (4 + 6) \div 4$

30

13

1