

ORDER OF OPERATIONS - A

ANSWERS

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

HELPFUL EXAMPLE

1. PARENTHESES. $5 \times (4 + 5) - 2^3$

2. EXPONENTS. $5 \times 9 - 8$ $2^3 = 2 \times 2 \times 2 = 8$

3. MULTIPLICATION. $45 - 8$

4. SUBTRACTION. 37

ANSWER: 37

USE THE ORDER OF OPERATIONS TO SOLVE EACH PROBLEM.

1. $4 \times (6 \div 2 + 4)$ 2. $26 - 3 \times 5 - 6$ 3. $(7 + 9) + 12 \div 4$
28 5 19

4. $10 + 4^2 \times 2 - 8$ 5. $(8 - 5) \times 11 - 3^3$ 6. $12 + 6 - 5 + 3$
34 6 16

7. $2^4 \div 4 - (1 + 3)$ 8. $6 \times 7 - 4 \times 5$ 9. $6 \times (7 - 4) \times 5$
0 22 90

BRACKETS [] ARE LIKE PARENTHESES.

10. $5 \times [(7 - 4) \times 3]$ 11. $(3 + 5 \times 9) \div 6$ 12. $3 \times 12 \div 2^2 \times 3$
 $5 \times [3 \times 3]$ 8 3
 5×9
45

13. $(2 + 3)^3 - 25 \times 2$ 14. $[(34 + 6) - 4] \div 9$ 15. $8 \times [(21 - 9) \div 4]$
75 4 24

16. $16 + 4^3 - 30 \times 2$ 17. $[5 \times (5 + 8)] - 2^5$ 18. $72 \div (3 \times 6 \div 2)$
20 33 8