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	$+$ $-$

HELPFUL EXAMPLE

1. PARENTHESES.
2. EXPONENTS.
3. MULTIPLICATION.
4. SUBTRACTION.

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

$5 \times 9 - 2^3$

$5 \times 9 - 8$

$45 - 8$

37

$2^3 = 2 \times 2 \times 2 = 8$

ANSWER: 37

USE THE ORDER OF OPERATIONS TO SOLVE EACH PROBLEM.

1. $4 \times (6 \div 2 + 4)$ — 28
2. $26 - 3 \times 5 - 6$ — 5
3. $(7 + 9) + 12 \div 4$ — 19
4. $10 + 4^2 \times 2 - 8$ — 34
5. $(8 - 5) \times 11 - 3^3$ — 6
6. $12 + 6 - 5 + 3$ — 16
7. $2^4 \div 4 - (1 + 3)$ — 0
8. $6 \times 7 - 4 \times 5$ — 22
9. $6 \times (7 - 4) \times 5$ — 90

BRACKETS [ ] ARE LIKE PARENTHESES.

10. $5 \times [(7 - 4) \times 3]$

    $5 \times [3 \times 3]$

    5×9

    45
11. $(3 + 5 \times 9) \div 6$ — 8
12. $3 \times 12 \div 2^2 \times 3$ — 3
13. $(2 + 3)^3 - 25 \times 2$ — 75
14. $[(34 + 6) - 4] \div 9$ — 4
15. $8 \times [(21 - 9) \div 4]$ — 24
16. $16 + 4^3 - 30 \times 2$ — 20
17. $[5 \times (5 + 8)] - 2^5$ — 33
18. $72 \div (3 \times 6 \div 2)$ — 8