ORDER OF OPERATIONS - A

NAME:

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

HELPFUL EXAMPLE

5 + 3 X 2
5 + 6
11

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

ANSWER: 11

USE THE ORDER OF OPERATIONS TO SOLVE EACH PROBLEM.

1. 8 - 6 ÷ 3
   8 - 2
      6

2. 3 X 2 + 4

3. 5 X 3 - 3

4. 4 + 4 X 2

5. 10 ÷ 2 + 8

6. 16 - 8 ÷ 4

7. 14 - 4 X 3

8. 15 + 10 ÷ 5

9. 7 + 1 X 5

LOOK AT THE LIST. PARENTHESES ARE FIRST.

10. (6 - 3) X 4
    3   X   4
       12

11. 6 X (4 + 2)

12. 6 ÷ (3 + 3)

13. (7 + 8) X 2

14. 3 X (3 - 3)

15. (4 + 6) ÷ 2

16. 14 ÷ (7 - 5)

17. (6 - 4) X 2
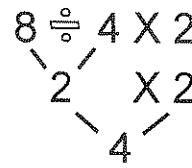
18. (8 - 4) ÷ 2

ORDER OF OPERATIONS - B

NAME:

ORDER OF OPERATIONS

1. PARENTHESES   ( )

2. EXPONENTS $3^2 = 3 \times 3$

3. MULTIPLICATION AND DIVISION $\times$ $\div$

4. ADDITION AND SUBTRACTION $+$ $=$

HELPFUL EXAMPLE

$8 \div 4 \times 2$

$2 \quad \times 2$

4

WHEN YOU HAVE MULTIPLICATION AND DIVISION TOGETHER, YOU SOLVE FROM LEFT TO RIGHT. IT'S LIKE READING A BOOK.

ANSWER: 4

USE THE ORDER OF OPERATIONS TO SOLVE EACH PROBLEM.

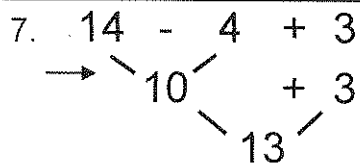1. $12 \div 2 \times 3$

2. $8 \times 4 \div 2$

3. $16 \div 8 \times 2$

4. $5 \times 6 \div 10$

5. $20 \div 2 \times 5$

6. $3 \times 10 \div 2$

DO THE SAME FOR ADDITION AND SUBTRACTION.

7. $14 - 4 + 3$

$10 \quad + 3$

13

8. $16 + 6 - 10$

9. $25 - 5 + 5$

10. $20 + 4 - 7$

11. $22 - 8 + 2$

12. $13 + 5 - 8$

WHY ARE THESE PROBLEMS DIFFERENT FROM THE ONES ABOVE?

13. $14 - (4 + 3)$

14. $25 - (5 + 5)$

15. $22 - (8 + 2)$

16. $12 \div (2 \times 3)$

17. $16 \div (8 \times 2)$

18. $20 \div (2 \times 5)$

ORDER OF OPERATIONS - C

NAME:

IF YOU ARE CONFUSED ON WHAT TO
DO FIRST, JUST LOOK AT THE LIST.

USE THE ORDER OF OPERATIONS TO SOLVE EACH PROBLEM.

1. $12 + (6 - 4) \times 2$

2. $(5 + 5) \times 2 + 10$

3. $3 \times 6 - (4 + 2)$

4. $16 + (8 - 6) \div 2$

5. $4 + (2 \times 3) \times 5$

6. $(4 \times 2) + 6 \times 2$

7. $20 - 10 \div (6 \div 3)$

8. $(8 \div 4) + 16 \div 2$

9. $14 - (9 - 6) \times 3$

10. $6 \times 2 + (8 \div 4)$

11. $(7 - 5) + 3 \times 4$

12. $12 - (4 - 1) + 9$

LEVEL 2