

ORDER OF OPERATIONS - A

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

$$5 + 3 \times 2$$

$$5 + 6$$

$$11$$

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. $8 - 6 \div 3$

$$8 - 2 = 6$$

2. $3 \times 2 + 4$

3. $5 \times 3 - 3$

4. $4 + 4 \times 2$

5. $10 \div 2 + 8$

6. $16 - 8 \div 4$

7. $14 - 4 \times 3$

8. $15 + 10 \div 5$

9. $7 + 1 \times 5$

LOOK AT THE LIST. PARENTHESES ARE FIRST.

10. $(6 - 3) \times 4$

$$3 \times 4 = 12$$

11. $6 \times (4 + 2)$

12. $6 \div (3 + 3)$

13. $(7 + 8) \times 2$

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

15. $(4 + 6) \div 2$

16. $14 \div (7 - 5)$

17. $(6 - 4) \times 2$

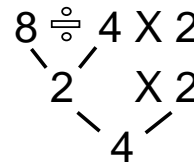
18. $(8 - 4) \div 2$

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



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