ORDER OF OPERATIONS - A

ANSWERS - PAGE 1

ORDER OF OPERATIONS

1. PARENTHESES ( )
2. EXPONENTS $3^2 = 3 \times 3$
3. MULTIPLICATION AND DIVISION
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. $6 - 8 \div 2$

$6 - 4$

2

2. $1 \times 2 + 4$

6

3. $9 \div 3 + 5$

8

4. $3 + 0 \times 6$

3

5. $10 \div 2 - 4$

1

6. $2 \times 8 - 6$

10

7. $8 - 4 \div 2$

6

8. $3 \times 4 - 2$

10

9. $5 + 3 \times 7$

26

LOOK AT THE LIST. DO PARENTHESES FIRST.

10. $(7 - 4) \times 5$

3×5

15

11. $3 \times (2 + 6)$

24

12. $(5 + 5) \div 5$

2

13. $14 - 10 \div 2$

9

14. $(9 - 3) \div 3$

2

15. $24 \div 6 - 2$

2

16. $(7 + 2) \times 4$

36

17. $24 \div (6 - 2)$

6

18. $7 + 2 \times 4$

15

ORDER OF OPERATIONS - B

ANSWERS - PAGE 2

ORDER OF OPERATIONS

1. PARENTHESES ( )
2. EXPONENTS $3^2 = 3 \times 3$
3. MULTIPLICATION AND DIVISION
4. ADDITION AND SUBTRACTION

HELPFUL EXAMPLE

$8 \div 4 \times 2$

2×2

4

WHEN YOU HAVE MULTIPLICATION AND DIVISION WITH NO PARENTHESES YOU SOLVE FROM LEFT TO RIGHT. IT'S LIKE READING A BOOK.

ANSWER: 4

USE THE ORDER OF OPERATIONS TO SOLVE EACH PROBLEM.

1. $24 \div 6 \times 2$

8

2. $9 \times 6 \div 3$

18

3. $6 \div 3 \times 9$

18

PARENTHESES!

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

24

5. $14 \div (2 \times 7)$

1

6. $14 \div 2 \times 7$

49

DO THE SAME FOR ADDITION AND SUBTRACTION.

7. $20 - 8 + 5$

$12 + 5$

17

8. $18 + 5 - 12$

11

9. $31 - 13 + 6$

24

10. $17 + (9 - 4)$

22

11. $25 - (8 + 7)$

10

12. $25 - 8 + 7$

24

REVIEW.

13. $5 \times (4 + 7)$

55

14. $29 - 9 + 3$

23

15. $40 \div (4 \times 2)$

5

16. $32 - 8 \div 4$

30

17. $12 \div 6 \times 2$

4

18. $18 + (5 - 3)$

20