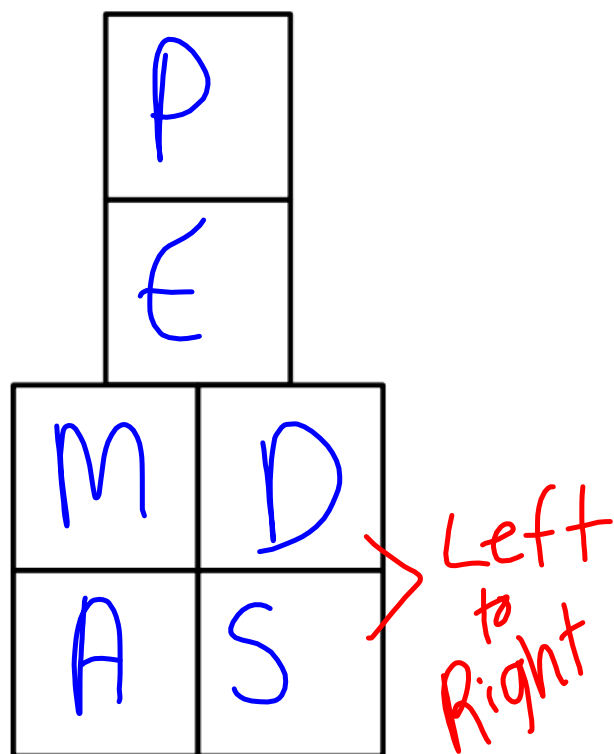


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ORDER →

always work **Left** → **Right**

PRACTICE:

$3 + 7 \times 6 \div 3 =$ $3 + 42 \div 3 =$ $3 + 14 = 17$	$(6 \times 4) \div 3 - 6 + 2 =$ $24 \div 3 - 6 + 2 =$ $8 - 6 + 2 =$ $2 + 2 = 4$	$2^2 \times 9 \div 3 =$ $4 \times 9 \div 3 =$ $36 \div 3 =$ 12
---	--	---

Parenthesis ()
(all grouping symbols)

Exponents x^3
Ex: $2^3 \rightarrow 2 \cdot 2 \cdot 2$

Multiply \times
() or \times or \bullet

Divide \div
/ or $-$ or \div



P	P lease	Parenthesis
E	E xcuse	E xponents
M	M Y	M ultipl y
D	D ear	D ivide
A	A unt	A dd
S	S ally	S ubtract

Addition $+$

Subtraction $-$

5th Grade • Bundle 8.1 • Order of Operations PEMDAS

Other Grouping Symbols:

[] brackets { } Braces

√ Square Root — fraction bar (divide)

MATCHING Solve each problem. Find the solution in the key and place the letter on the line above the number of the problem.

A	B	C	D	E	F	G	H	I	J	K	L	M
12	14	1	11	-78	-2	-9	-11	40	19	-1	36	2

N	O	P	Q	R	S	T	U	V	W	X	Y	Z
-8	-7	3	4	-28	80	66	-1	9	16	5	22	0

$$1. 6 - \frac{18 - 3^2}{4 + (2 - 3)}$$

$$2. 7 - 8 \div 4(3^2 - 1)$$

$$3. 2 - 2(2 - 5)^2 + 3^2$$

$$4. (5^2 - 9 \cdot 3)^2 - 11$$

$$5. [(2 + 3)^2 - 5] \cdot 4$$

$$6. 12 - 11 \cdot 2 + 16 \div 8$$

$$1) 6 - \frac{18 - 3^2}{4 + (2 - 3)}$$

$$6 - \frac{9}{3}$$

$$6 - 3 = \textcircled{3}$$

$$2) 7 - 8 \div 4(3^2 - 1)$$

$$7 - 8 \div 4(8)$$

$$-1 + 32$$

$$= \textcircled{31}$$

$$3) 2 - 2(2 - 5)^2 + 3^2$$

$$2 - 2(-3)^2 + 9$$

$$2 - 2(9) + 9$$

7. $-5 + 1 \cdot 3 - (7 - 2^3)$

8. $8 + 2 \cdot 3 - 14 \div 7$

9. $(8 - 2)^2 + \frac{1}{4}[4 - 3(6 - 10)]$

10. $7 + (2 - 3^2) \cdot 5$

11. $3 - 2[2^3 + (-1)^3]$

12. $18 + 6 \div 3(2^2 + 5)$



What did one pencil say to another?

12	4	3	7	9	11	2

5	6	8	10	1

TODEA Mathematics

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***** WE WILL COME BACK TO THIS PAGE LATER ON*****

LEAVE REMAINING PROBLEMS BLANK FOR NOW!!!!

Order of Operations -- PEMDAS Practice Worksheets

Remember, PEMDAS (Please Excuse My Dear Aunt Sally) stands for:

Parentheses
Exponents
Multiplication
Division
Addition
Subtraction

****ALL division signs are marked for students if not marked with a red symbol then it is addition**

****Though answers are given for students to check their work any assignment turned in without ALL steps shown will result in a zero/no credit given**

$$1. \quad 14 + 18 \div 2 \times 18 - 7 = 169$$

$$7. \quad 10 - 9 \times 24 \div 8 \times 6 = -152$$

$$2. \quad 15 \times 18 + 12 \div 3 + 9 = 283$$

$$8. \quad 10 \div 5 + 10 - 9 \times 11 = -87$$

$$3. \quad 8 \times 4 + 9 - 9 + 18 = 50$$

$$9. \quad 3 \times 19 \times 14 + 18 \div 2 = 807$$

$$4. \quad 11 \times 11 - 6 \times 17 + 4 = 23$$

$$10. \quad 10 \times 12 - 14 \div 2 + 15 = 128$$

$$5. \quad 2 - 1 + 5 \times 4 \times 11 = 221$$

$$11. \quad 14 \div 2 - 1 + 3 = 9$$

$$6. \quad 16 \times 7 \times 15 + 11 + 17 = 1,708$$

$$12. \quad 9 + 15 \div 5 \times 13 = 48$$

$$13. \quad 12 \div 3 \times 12 + 10 = 58$$

$$14. \quad 16 \times 15 \div 5 + 12 = 60$$

$$15. \quad 2 \times 10 + 10 - 8 = 2$$

$$16. \quad 24 \div 4 + 14 \times 2 = 13$$

$$17. \quad 11 \times 10 - 12 \div 3 = 106$$

$$18. \quad 8 \div 4 \times 2 + 18 = 22$$

$$19. \quad 18 \div 6 + 4 \times 15 = 63$$

$$20. \quad 2 - 20 \div 5 \times 3 = -10$$

$$21. \quad (6 + 4)^2 + (11 + 10 \div 2) = 116$$

$$22. \quad (11 + 42 - 5) \div (11 - 4) = 6 \frac{6}{7}$$

$$23. \quad (17 - 3) \times (14 - 6) - 22 = 90$$

$$24. \quad (9 + 33 - 6) \div 6 - 3^2 = -3$$

$$25. \quad (10 + 43 - 5) \div 6 + 5^2 = 33$$

$$26. \quad 2 \times (9 \times 5 + 3^2) + 4 = 112$$

$$27. \quad (6 + 3)^2 + (9 - 10 \div 5) = 88$$

$$28. \quad (10 + 59 - 3^2) \div (24 - 4) = 3$$

$$29. \quad 4 \times (12 \times 6 - 4^2) + 9 = 233$$

$$30. \quad (19 - 8) \times (10 + 4) + 8^2 = 130$$