

PEMDAS - Questions

A 1. Explain what each letter of this acronym stands for:

P _____

E _____

M _____

D _____

A _____

S _____

2. True or false?

Division should be completed before multiplication.

If an expression contains addition and subtraction, the operations are completed as they occur from left to right.

B Find the value of each expression.

1) $3 \times (2 + 4)$

2) $3 \times 2 + 4$

3) $5 \times 6 - 3$

4) $5 \times (6 - 3)$

5) $9 + 5 \times 4$

6) $(9 + 5) \times 4$

C True or false? Explain your answers.

1) $7 + 1 \times 25 = 200$

2) $5 + 30 \div 5 = 7$

3) $40 - 7 \times 4 = 12$

4) $9 \times 2 + 3 \times 5 = 105$

5) $(9 + 15) \times 3 = 54$

D Use the digits 1, 2, 5 and 8 to make at least four different expressions that require an understanding of the order of operations.

PEMDAS - Questions

Question	Question	Answer
A	1. Explain what each letter of this acronym stands for: P, E, M, D, A, S 2. True or false? Division should be completed before multiplication. If an expression contains addition and subtraction, the operations are completed as they occur from left to right.	1. Parentheses, Exponents, Multiplication, Division, Addition, Subtraction 2. False - Division and multiplication are completed as they occur from left to right. True
B	Find the value of each expression. 1. $3 \times (2 + 4)$ 2. $3 \times 2 + 4$ 3. $5 \times 6 - 3$ 4. $5 \times (6 - 3)$ 5. $9 + 5 \times 4$ 6. $(9 + 5) \times 4$	1. $3 \times (2 + 4) = 18$ 2. $3 \times 2 + 4 = 10$ 3. $5 \times 6 - 3 = 27$ 4. $5 \times (6 - 3) = 15$ 5. $9 + 5 \times 4 = 29$ 6. $(9 + 5) \times 4 = 56$
C	True or false? Explain your answers. 1. $7 + 1 \times 25 = 200$ 2. $5 + 30 \div 5 = 7$ 3. $40 - 7 \times 4 = 12$ 4. $9 \times 2 + 3 \times 5 = 105$ 5. $(9 + 15) \times 3 = 54$	1. False - 32 2. False - 11 3. True 4. False - 33 5. False - 72
D	Use the digits 1, 2, 5 and 8 to make at least four different expressions that require an understanding of the order of operations.	Answers will vary. Example answers: $2 \times 5 + 1 \times 8$. $12 + 8 \times 5$. $(51 + 8) \times 2$.

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