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## Order Of Operations Worksheets 7th Grade

- 1) Choose the operation that should be done first.

$$120 + \{ [ 4 \times (5 + 3) ] \div 3 \}$$

- a) Brackets
- b) Parentheses
- c) Braces

- 2) 9 was added to a certain number. This sum was then divided by 3. Finally, the quotient was multiplied by 5. This product came out as 15. What was the number.

- 3) Simplify:  $6 + [(16 - 4) \div (2^2 + 2)] - 2$

- 4) Barney works one-third of a day for a company. He worked half the remaining hours overtime daily for 5 days. Find Barney's total working hours for these 5 days.

- 5) Fill in the blanks with the missing operators ( +, -, ×, )

$$51 \underline{\hspace{1cm}} 7 \times 5 + 11 = 97$$

6) Use the digits 3, 5, 7, and 9 to obtain 41 as the result for the given expression:

$$\underline{\quad} - \underline{\quad} + \underline{\quad} \times \underline{\quad}$$

7) What is the last step in simplifying the expression below?

$$4 + 8 \times (6 + 2) \div 4 - 2$$

- a) Addition
- b) Multiplication
- c) Subtraction
- d) Division

8) The first step in the order of operations is to simplify

\_\_\_\_\_.

- a) Braces
- b) Exponent
- c) Of
- d) Parentheses

9) Evaluate:

$$(20 + 3^4 \div 3 \times 2^3) \div [(54 \div 3^2 + 14) \div 5]$$

10) Fill in the blank with appropriate symbol( = or  $\neq$  ):

$$16 \div 4 \times 3 \quad \underline{\quad\quad\quad} \quad 16 \div (4 \times 3)$$

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**ANSWERS**

1)	b) Parentheses
2)	0
3)	6
4)	90 hours
5)	+
6)	9, 3, 7, 5
7)	c) Subtraction
8)	d) Parentheses
9)	59
10)	$\neq$

## FUN FACT

- An easy trick to remember the order of PEMDAS is "Please Excuse My Dear Aunt Sally".
- Many mnemonics following order of operations are used along with PEMDAS worldwide, like BODMAS, BEDMAS, and BIDMAS.

