

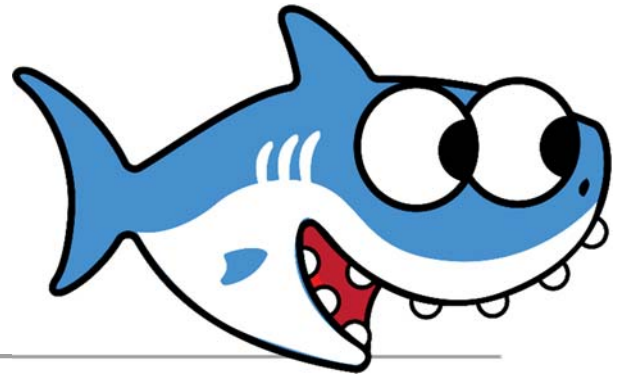
Correct the Work

Directions: Each problem has been solved incorrectly. Carefully check the work, explain the mistake, and then show the correct solution using **PEMDAS**.

1) Expression: $(6 + 4) \times (8 - 5) + 20 \div 4 - 7 =$

Work shown:

- $(6+4)=10$
- $(8-5)=3$
- $10 \times 3 = 30$
- $20 \div 4 = 5$
- $30 + 5 - 7 = \mathbf{32}$



2) Expression: $36 \div (18 - 12) + (7 \times 3) - 8$

Work shown:

- $(18-12)=6$
- $36 \div 6 = 6$
- $7 \times 3 = 21$
- $6 + 21 = 27$
- $27 - 8 = \mathbf{20}$

3) Expression: $(30 \div 5) \times (10 - 7) + 6 - 4$

Work shown:

- $30 \div 5 = 6$
- $(10-7)=3$
- $6 \times 3 = 18$
- $18 + 6 = 24$
- $24 - 4 = \mathbf{18}$

4) Expression: $(12 - 4) \times (9 - 6) + 24 \div 6 - 5$

Work shown:

- $(12-4)=8$
- $(9-6)=3$
- $8 \times 3 = 24$
- $24 \div 6 = 6$
- $24 + 6 - 5 = \mathbf{24}$