# PE(MD)(AS) Order of Operations

## Notes

It should be written PE(MD)(AS) instead of PEMDAS. Multiply and divide from left to right happen in the same step. Then add and subtract from left to right happens in the same step.

## Practice Problems

1) $2 + 5 \times 3$

2) $8 - 6 \div 2$

3) $3 \times 5 - 3$

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

5) $10 - 5 \times 2$

6) $4 + 5 \times 3 + 2$

7) $4^2 - 3 \times 2$

8) $4 \times 6 - 1 \times 2$

9) $5 - 2 + 3$

10) $(3 + 5)^2 - (4 \div 2)^2$

11) $12 - 3 \times 4 + 1$

12) $14 \div 7 \times 2$

13) $14 \div 7 - 2$

14) $16 - 4 + 8$

15) $4 + 3 \times 2 + 6 \div 3$

16) $10 + 2 - 3 \times 4 \div 2$

17) $(4 + 3) \times (4 - 2)^2$

18) $8 \times (5 - 2)^2 - 1$

19) $9 \div 3 + 12 \div 2^2$

20) $8 + 30 \div 6 \times 5$

21) $24 \div (2 \times 4)$

22) $(6 - 4) \times (3 \times 2)$

23) $2^2 + 3 \times 2$

24) $8 \div 2 + 2$

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# Answer Key

It should be written PE(MD)(AS) instead of PEMDAS. Multiply and divide from left to right happen in the same step. Then add and subtract from left to right happens in the same step.

## Practice Problems

**1)** $2 + 5 \times 3$

The answer is $17$

**2)** $8 - 6 \div 2$

The answer is $5$

**3)** $3 \times 5 - 3$

The answer is $12$

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

The answer is $6$

**5)** $10 - 5 \times 2$

The answer is $0$

**6)** $4 + 5 \times 3 + 2$

The answer is $21$

**7)** $4^2 - 3 \times 2$

The answer is $10$

**8)** $4 \times 6 - 1 \times 2$

The answer is $22$

**9)** $5 - 2 + 3$

The answer is $6$

**10)** $(3 + 5)^2 - (4 \div 2)^2$

The answer is $60$

**11)** $12 - 3 \times 4 + 1$

The answer is $1$

**12)** $14 \div 7 \times 2$

The answer is $4$

**13)** $14 \div 7 - 2$

The answer is $0$

**14)** $16 - 4 + 8$

The answer is $20$

**15)** $4 + 3 \times 2 + 6 \div 3$

The answer is $12$

**16)** $10 + 2 - 3 \times 4 \div 2$

The answer is $6$

**17)** $(4 + 3) \times (4 - 2)^2$

The answer is $28$

**18)** $8 \times (5 - 2)^2 - 1$

The answer is $71$

**19)** $9 \div 3 + 12 \div 2^2$

The answer is $6$

**20)** $8 + 30 \div 6 \times 5$

The answer is $33$

**21)** $24 \div (2 \times 4)$

The answer is $3$

**22)** $(6 - 4) \times (3 \times 2)$

The answer is $12$

**23)** $2^2 + 3 \times 2$

The answer is $10$

**24)** $8 \div 2 + 2$

The answer is $6$