

1. $5 + 3 \times 2$

Multiply first: $3 \times 2 = 6$

Add: $5 + 6$

Answer: 11

2. $(5 + 3) \times 2$

Parentheses: $5 + 3 = 8$

Multiply: 8×2

Answer: 16

3. $18 - 12 / 4$

Divide: $12 / 4 = 3$

Subtract: $18 - 3$

Answer: 15

4. 4×3^2

Exponent: $3^2 = 9$

Multiply: 4×9

Answer: 36

5. $(4 \times 3)^2$

Parentheses: $4 \times 3 = 12$

Square: 12^2

Answer: 144

6. $20 / 4 + 6 \times 2$

$20 / 4 = 5$ and $6 \times 2 = 12$

Add: $5 + 12$

Answer: 17

7. $2 + 3(7 - 2)$

Parentheses: 5

Multiply: 15

Add: $2 + 15$

Answer: 17

8. $36 / (2 + 4) \times 3$

Parentheses: 6

Left to right: $36 / 6 = 6$, then 6×3

Answer: 18

9. $48 / 2[10 - (3 + 1)^2 / 2]$ ★ challenge

Inner parentheses: $(3+1)^2 = 16$

$16 / 2 = 8$, then $10 - 8 = 2$

$48 / 2 \times 2$: left to right = 24×2

Answer: 48

10. $3^2 + [20 - 2(4 + 1)] / 5 - 6 \times 2$ ★ challenge

Inner: $2(5) = 10$; bracket: $20 - 10 = 10$

$9 + 10/5 - 12$

$9 + 2 - 12$

Answer: -1