

Order of Operations

Number & Operations · Grade 6

Score: _____ / 10

◆ Medium · 10 Questions

Solve each problem. Show your work in the space provided. Write your answer on the line.

1. $2 \times 3^2 = \underline{\hspace{2cm}}$

Answer: _____

2. $5^2 - 3 \times 4 = \underline{\hspace{2cm}}$

Answer: _____

3. $(4 + 1)^2 - 3 = \underline{\hspace{2cm}}$

Answer: _____

4. $100 \div (4 \times 5) + 3^2 = \underline{\hspace{2cm}}$

Answer: _____

5. $2 + 3 \times (8 - 2^2) = \underline{\hspace{2cm}}$

Answer: _____

6. $3^2 + 4 \times 2 = \underline{\hspace{2cm}}$

Answer: _____

7. $(7 - 2)^2 \div 5 = \underline{\hspace{2cm}}$

Answer: _____

8. $6^2 \div 4 + 1 = \underline{\hspace{2cm}}$

Answer: _____

9. $(2 + 3)^2 - 10 = \underline{\hspace{2cm}}$

Answer: _____

10. $8 + 2^3 \times 2 = \underline{\hspace{2cm}}$

Answer: _____

Answer Key

Order of Operations — Medium

1. 18

Exponent first: $3^2=9$. Then multiply: $2 \times 9=18$.

2. 13

Exponent: $5^2=25$. Multiply: $3 \times 4=12$. Then: $25-12=13$.

3. 22

Brackets: $4+1=5$. Exponent: $5^2=25$. Subtract: $25-3=22$.

4. 14

Brackets: $4 \times 5=20$. Divide: $100 \div 20=5$. Exponent: $3^2=9$. Add: $5+9=14$.

5. 14

Exponent inside brackets: $2^2=4$. Brackets: $8-4=4$. Multiply: $3 \times 4=12$. Add: $2+12=14$.

6. 17

Exponent: $3^2=9$. Multiply: $4 \times 2=8$. Add: $9+8=17$.

7. 5

Brackets: $7-2=5$. Square: $5^2=25$. Divide: $25 \div 5=5$.

8. 10

Exponent: $6^2=36$. Divide: $36 \div 4=9$. Add: $9+1=10$.

9. 15

Brackets: $2+3=5$. Square: $5^2=25$. Subtract: $25-10=15$.

10. 24

Exponent: $2^3=8$. Multiply: $8 \times 2=16$. Add: $8+16=24$.