

Level 1 — Grouping Symbols

Work inside the brackets first, then finish the calculation.

PEMDAS — WORK IN THIS ORDER**P**

Parentheses

()

E

Exponents

 x^2 **M**

Multiply

 $\times$ **D**

Divide

 $\div$ **A**

Add

+

S

Subtract

-

1) $(4 + 3) \times 2 =$ _____

2) $5 \times (6 - 2) =$ _____

3) $(10 - 4) \div 2 =$ _____

4) $(8 + 2) \times 3 =$ _____

5) $12 \div (2 + 1) =$ _____

6) $(9 - 3) \times 4 =$ _____

7) $(15 + 5) \div 4 =$ _____

8) $6 \times (3 + 2) =$ _____

9) $(20 - 8) \div 3 =$ _____

10) $2 \times (7 + 1) =$ _____

11) $(18 \div 6) + 5 =$ _____

12) $(5 + 5) \times (2 + 1) =$ _____

13) $7 + (4 \times 2) =$ _____

14) $(3 + 9) \div 2 =$ _____

15) $10 - (2 \times 3) =$ _____

16) $(6 \times 2) - (8 \div 4) =$ _____



Level 2 — Multiply & Divide First

Do all $\times$ and $\div$ from left to right before $+$ and $-$.

PEMDAS — WORK IN THIS ORDER**P**

Parentheses

()

E

Exponents

 x^2 **M**

Multiply

 $\times$ **D**

Divide

 $\div$ **A**

Add

 $+$ **S**

Subtract

 $-$

1) $4 + 3 \times 2 =$ _____

2) $12 - 6 \div 2 =$ _____

3) $5 \times 2 + 7 =$ _____

4) $20 \div 4 + 3 =$ _____

5) $8 + 2 \times 5 =$ _____

6) $9 - 4 \times 2 =$ _____

7) $6 \times 3 - 5 =$ _____

8) $18 \div 3 + 6 =$ _____

9) $7 \times 2 + 4 \times 3 =$ _____

10) $15 - 10 \div 5 =$ _____

11) $2 + 8 \times 3 - 4 =$ _____

12) $24 \div 6 \times 2 =$ _____

13) $5 + 6 \times 2 - 3 =$ _____

14) $30 \div 5 + 2 \times 4 =$ _____

15) $100 - 4 \times 9 =$ _____

16) $3 \times 4 + 6 \div 2 =$ _____



Level 3 — Exponents

Evaluate exponents first, then $\times \div$, then $+-$. Mind the brackets.

PEMDAS — WORK IN THIS ORDER

P

Parentheses
()

E

Exponents
 x^2

M

Multiply
 $\times$

D

Divide
 $\div$

A

Add
 $+$

S

Subtract
 $-$

1) $2^2 + 3 =$ _____

2) $3^2 - 4 =$ _____

3) $5^2 \div 5 =$ _____

4) $4 + 2^3 =$ _____

5) $(1 + 2)^2 =$ _____

6) $6^2 - 10 =$ _____

7) $2^3 \times 2 =$ _____

8) $10^2 \div 4 =$ _____

9) $3^2 + 4^2 =$ _____

10) $(5 - 2)^3 =$ _____

11) $2^2 \times 3^2 =$ _____

12) $50 - 5^2 =$ _____

13) $4^2 + 2 \times 3 =$ _____

14) $7^2 - 3^3 =$ _____

15) $(2 + 3)^2 - 5 =$ _____

16) $9^2 \div 9 + 1 =$ _____



Answer Key

Level 1 – Grouping Symbols

1. 14	2. 20	3. 3	4. 30	5. 4	6. 24	7. 5	8. 30
9. 4	10. 16	11. 8	12. 30	13. 15	14. 6	15. 4	16. 10

Level 2 – Multiply & Divide First

1. 10	2. 9	3. 17	4. 8	5. 18	6. 1	7. 13	8. 12
9. 26	10. 13	11. 22	12. 8	13. 14	14. 14	15. 64	16. 15

Level 3 – Exponents

1. 7	2. 5	3. 5	4. 12	5. 9	6. 26	7. 16	8. 25
9. 25	10. 27	11. 36	12. 25	13. 22	14. 22	15. 20	16. 10

