

**Determine the first expression to evaluate in each problem.**

Ex) $10 + 30 \div 6 \times 3 - 6$

1) $4 + (6 + 8) + 5^3 + 10$

2) $3 + 4 - 5 + 8^3 - 3$

3) $6 + 3^3 \times 3 + 15 \div 3$

4) $4 \times 5 + 12 \div 6 \times 8$

5) $10 + 21 \div 7 + 70 \div 7$

6) $3 \times 9 \times 4 + (9 \times 6)$

7) $(2 + 4) + 28 \div 4 + 2^2$

8) $2 + 10^3 - 5 + 10 \times 9$

9) $4 + 8 + 8 \times 7 + 4^2$

10) $10 + 2 + 8 + (9 - 9)$

11) $4 \times 7 + (20 \div 10 + 6)$

12) $(5 + 90 \div 9) + 7 - 7$

13) $(6 + 10) + 8^3 \times 3 + 3$

14) $6 - 3 + 8 + 2 - 9$

15) $(6 \times 5) + 3 \times 9 + 4$

16) $3 + (4 + 7) + 10 - 10$

17) $(6 + 28 \div 7) - 4 + 9^3$

18) $10 \times 7 + 8 \div 4 \times 7$

19) $10 + (3^3 \times 4) + 6 - 2$

20) $10 \times 5 + 3 + (3 \times 2)$

Answers

Ex. $30 \div 6$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

17. _____

18. _____

19. _____

20. _____

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9) $4 + 8 + 8 \times 7 + 4^2$

10) $10 + 2 + 8 + (9 - 9)$

11) $4 \times 7 + (20 \div 10 + 6)$

12) $(5 + 90 \div 9) + 7 - 7$

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15) $(6 \times 5) + 3 \times 9 + 4$

16) $3 + (4 + 7) + 10 - 10$

17) $(6 + 28 \div 7) - 4 + 9^3$

18) $10 \times 7 + 8 \div 4 \times 7$

19) $10 + (3^3 \times 4) + 6 - 2$

20) $10 \times 5 + 3 + (3 \times 2)$

Answers

Ex. $30 \div 6$

1. $6 + 8$

2. 8^3

3. 3^3

4. 4×5

5. $21 \div 7$

6. 9×6

7. $2 + 4$

8. 10^3

9. 4^2

10. $9 - 9$

11. $20 \div 10$

12. $90 \div 9$

13. $6 + 10$

14. $6 - 3$

15. 6×5

16. $4 + 7$

17. $28 \div 7$

18. 10×7

19. 3^3

20. 3×2

**Determine the first expression to evaluate in each problem.****Answers****Step 1:** Parenthesis ()

First solve any expressions in parenthesis.

Step 2: Exponents ², ³

Next solve any expressions that have exponents.

Step 3: Multiply or Divide $\times, \div$

Then solve multiplication or division expressions (going from left to right).

Step 4: Add or Subtract $+, -$

Finally solve addition or subtraction expressions (going from left to right).

Ex. 30 ÷ 6

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

Ex) $10 + 30 \div 6 \times 3 - 6$

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9) $4 + 8 + 8 \times 7 + 4^2$

10) $10 + 2 + 8 + (9 - 9)$