Finding First Expression

Name: **Answer Key**

Determine the first expression to evaluate in each problem.

Ex) $3(10^2+9^3)+6^2$

1) $(10+8)+13-6+5^2$

2) $10\times4(2+7-6)$

3) $(10+3^3)\times6+9^2$

4) $(3+7)+10^2+4\div2$

5) $(3+11-5)+42\div6+7^3$

6) $3(12-9+5^3)+10^3$

7) $(8+3^3)+16\div2+7^3$

8) $8+32\div8(11-7+10)$

9) $(4+5)\times3+28\div4$

10) $6+14\div7(18-9+9)$

11) $(6+10-7)+48\div8+9$

12) $9+4(6^3+11-9)$

13) $3(12-10+15-7)+9$

14) $8+10(\times2+8\div4)$

15) $(6+42\div7)\times9+20\div4$

16) $3\times7(\times8+6)$

17) $3(9+10-4)+5$

18) $(10+5^2)+72\div8+5^2$

19) $9+48\div8(8^2+3)$

20) $(9\times6)+45\div5\times8$

Answers

Ex. 10^2

1. $10+8$

2. $2+7$

3. 3^3

4. $3+7$

5. $3+11$

6. 5^3

7. 3^3

8. $11-7$

9. $4+5$

10. $18-9$

11. $6+10$

12. 6^3

13. $12-10$

14. $8\div4$

15. $42\div7$

16. $8+6$

17. $9+10$

18. 5^2

19. 8^2

20. 9×6

Order of Operations (B)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$5 + 8 \times (10 - 9) \div 2$
$= 5 + 8 \times 1 \div 2$
$= 5 + 8 \div 2$
$= 5 + 4$
$= 9$

$((3 + 5) \div 2) \times 7 - 10$
$= (8 \div 2) \times 7 - 10$
$= 4 \times 7 - 10$
$= 28 - 10$
$= 18$

$7 \times (10 - 4) \div (2 + 5)$
$= 7 \times 6 \div (2 + 5)$
$= 7 \times 6 \div 7$
$= 42 \div 7$
$= 6$

$(8 \times 10 - 3 + 4) \div 9$
$= (80 - 3 + 4) \div 9$
$= (77 + 4) \div 9$
$= 81 \div 9$
$= 9$

$6 \times (10 \div 2 + 8 - 5)$
$= 6 \times (5 + 8 - 5)$
$= 6 \times (13 - 5)$
$= 6 \times 8$
$= 48$

$(6 + 4 - 9 \div 3) \times 8$
$= (6 + 4 - 3) \times 8$
$= (10 - 3) \times 8$
$= 7 \times 8$
$= 56$

$(8 \div 2) \times (6 + 3 - 7)$
$= 4 \times (6 + 3 - 7)$
$= 4 \times (9 - 7)$
$= 4 \times 2$
$= 8$

$(10 + 5 \times 6) \div (4 - 2)$
$= (10 + 30) \div (4 - 2)$
$= 40 \div (4 - 2)$
$= 40 \div 2$
$= 20$

$(7 + 8) \times 5 \div (9 - 6)$
$= 15 \times 5 \div (9 - 6)$
$= 15 \times 5 \div 3$
$= 75 \div 3$
$= 25$

$(6 \times 2 - 8 + 3) \div 7$
$= (12 - 8 + 3) \div 7$
$= (4 + 3) \div 7$
$= 7 \div 7$
$= 1$