Finding First Expression

Name: **Answer Key**

Determine the first expression to evaluate in each problem.

Ex) $4(6+8)+42\div7$

1) $7+5^2(7-2+24\div8)$

2) $(10+14-7)+6+10-4$

3) $4(9-2+6-4)+7$

4) $2(3^2+32\div4)+2^2$

5) $2+3(4+30\div3)$

6) $(7+8)+8-7+12-3$

7) $(3+9)+9^2+7^3$

8) $6\times7(9^2+8-2)$

9) $10(10\div5\times7)+4$

10) $(8+70\div7)\times6+16\div4$

11) $(8\times3)+11-6+11-9$

12) $5(16-8+9)\times9$

13) $7+7(6+30\div3)$

14) $7(8+6\div2)+15\div5$

15) $6(6+9^2)+8\div4$

16) $8\times7(\times4\times9)$

17) $8+10^2(\times4+18-9)$

18) $(7+2)\times2\times5$

19) $5(45\div9+8)+5^3$

20) $3\times4(6-3+30\div6)$

Answers

Ex. 6+8

1. 24÷8

2. 10+14

3. 9-2

4. 3^2

5. 30÷3

6. 7+8

7. 3+9

8. 9^2

9. 10÷5

10. 70÷7

11. 8×3

12. 16-8

13. 30÷3

14. 6÷2

15. 9^2

16. 4×9

17. 4+18

18. 7+2

19. 45÷9

20. 30÷6

Order of Operations (A)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$(3 \times 4) \div (7 + 9 - 10)$
$= 12 \div (7 + 9 - 10)$
$= 12 \div (16 - 10)$
$= 12 \div 6$
$= 2$

$8 \times (10 - 6) \div 2 + 4$
$= 8 \times 4 \div 2 + 4$
$= 32 \div 2 + 4$
$= 16 + 4$
$= 20$

$(10 \div 2) \times 7 + 5 - 4$
$= 5 \times 7 + 5 - 4$
$= 35 + 5 - 4$
$= 40 - 4$
$= 36$

$8 \div (7 - 3) \times (4 + 6)$
$= 8 \div 4 \times (4 + 6)$
$= 8 \div 4 \times 10$
$= 2 \times 10$
$= 20$

$6 \times (8 - 3 + 5) \div 10$
$= 6 \times (5 + 5) \div 10$
$= 6 \times 10 \div 10$
$= 60 \div 10$
$= 6$

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

$(10 - 6 + 8 \div 2) \times 3$
$= (10 - 6 + 4) \times 3$
$= (4 + 4) \times 3$
$= 8 \times 3$
$= 24$

$(4 + 8 \div 2 - 6) \times 10$
$= (4 + 4 - 6) \times 10$
$= (8 - 6) \times 10$
$= 2 \times 10$
$= 20$

$7 \div (4 \times 2 + 9 - 10)$
$= 7 \div (8 + 9 - 10)$
$= 7 \div (17 - 10)$
$= 7 \div 7$
$= 1$

$((10 - 6 + 5) \div 9) \times 2$
$= ((4 + 5) \div 9) \times 2$
$= (9 \div 9) \times 2$
$= 1 \times 2$
$= 2$