4-1

Homework

Name _____ Date _____

Simplify each expression.

1. $11m - 9m =$ ____
2. $y + 8y =$ ____
3. $13s - s =$ ____
4. $d + 2d + d =$ ____
5. $(9b - b) - 2b =$ ____
6. $104z + z =$ ____
7. $21 - (10 - 5) =$ ____
8. $(900 - 100) - 100 =$ ____
9. $90 - (50 - 1) =$ ____
10. $18 \div (27 \div 9) =$ ____
11. $(63 \div 7) \div 9 =$ ____
12. $40 \div (36 \div 9) =$ ____
13. $(48 \div 6) \cdot (11 - 9) =$ _____
14. $(3 + 17) \div (16 - 12) =$ _____
15. $(15 + 10) - (50 \div 10) =$ _____
16. $(19 + 11) \div (9 - 6) =$ _____

Evaluate.

17. $c = 3$

    $4 \cdot (7 - c)$

    _____

18. $r = 2$

    $(42 \div 7) \cdot (r + 1)$

    _____

19. $w = 7$

    $(72 \div 9) \cdot w$

    _____

20. $m = 0$

    $(12 \div 3) \cdot (5 - m)$

    _____

21. $h = 14$

    $45 \div (h - 5)$

    _____

22. $p = 19$

    $(p + 1) \div (9 - 4)$

    _____

23. $v = 6$

    $(18 - 9) + (2 + v)$

    _____

24. $t = 1$

    $(7 \cdot 2) \div t$

    _____

25. $g = 10$

    $(g + 90) \div (17 - 13)$

    _____

Solve for ☐ or *n*.

26. $7 \cdot (3 + 2) = 7 \cdot \square$

    $\square =$ ____

27. $(9 - 1) \cdot 4 = \square \cdot 4$

    $\square =$ ____

28. $8 \cdot (4 + 5) = \square \cdot 9$

    $\square =$ ____

29. $6 \cdot (8 - 8) = n$

    $n =$ ____

30. $(12 - 6) \div 3 = n$

    $n =$ ____

31. $(21 \div 7) \cdot (5 + 5) = n$

    $n =$ ____

 Name _____ Date _____

Remembering

Read and write each number in expanded form.

1. ninety-six thousand, one hundred thirty-seven

_____

2. four hundred thirteen thousand, five hundred twenty-one

_____

3. seven hundred eight thousand, fifty-three

_____

4. six hundred thirty thousand, four hundred seventeen

_____

Find the area (in square units) of a rectangle with the given dimensions.

5. 4×6 _____

6. 4×60 _____

7. 5×9 _____

8. 50×9 _____

Divide with remainders.

9. $9\overline{)28}$

10. $3\overline{)17}$

11. $6\overline{)46}$

12. $7\overline{)54}$

13. **Stretch Your Thinking** Evaluate the expression $(d - 10) + (d \div 3)$ for $d = 21$. Explain each step.

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