SmartMathz

Factoring Linear Expressions

Grade 7 Factors & Multiples Worksheet

Date:_____ Name:_____

LET'S MAKE LEARNING FACTORS FUN

Factorise each linear expression.

1. $10u - 20v + 30w$

   $= \mathbf{10(u - 2v + 3w)}$

2. $42p + 63$

   $=$ _____

3. $54 - 24x$

   $=$ _____

4. $30r - 50t$

   $=$ _____

5. $-28p - 63 - 70q$

   $=$ _____

6. $9y + 81$

   $=$ _____

7. $-z - t$

   $=$ _____

8. $-11k + 55l$

   $=$ _____

9. $7n - 7m$

   $=$ _____

10. $22 + 88j$

    $=$ _____

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Grade 7 Factors & Multiples Answer Sheet

1. $10u - 20v + 30w$ $= \mathbf{10(u - 2v + 3w)}$	6. $9y + 81$ $= \mathbf{9(7 + 9)}$
2. $42p + 63$ $= \mathbf{7(6p + 9)}$	7. $-z - t$ $= \mathbf{-z(z + t)}$
3. $54 - 24x$ $= \mathbf{6(9 - 4x)}$	8. $-11k + 55l$ $= -11(k - 5l)$
4. $30r - 50t$ $= \mathbf{10(3r - 5t)}$	9. $7n - 7m$ $= \mathbf{7(n - m)}$
5. $-28p - 63 - 70q$ $= \mathbf{-7(4p + 9 - 10q)}$	10. $22 + 88j$ $= \mathbf{22(1 + 4j)}$