

Factoring Linear Expressions

Grade 7 Factors & Multiples Worksheet

Date: _____

Name: _____

LET'S MAKE LEARNING FACTORS FUN

Factorise each linear expression.

1. $15 + 3b$
 $= \underline{3(5 + b)}$

2. $5z + 60$
 $= \underline{\hspace{2cm}}$

3. $8m - 8$
 $= \underline{\hspace{2cm}}$

4. $-25x - 10y$
 $= \underline{\hspace{2cm}}$

5. $66s - 11t$
 $= \underline{\hspace{2cm}}$

6. $54p - 72q + 18$
 $= \underline{\hspace{2cm}}$

7. $10w - 60$
 $= \underline{\hspace{2cm}}$

8. $35 + 42y$
 $= \underline{\hspace{2cm}}$

9. $20a + 40b + 60d$
 $= \underline{\hspace{2cm}}$

10. $64 - 48m$
 $= \underline{\hspace{2cm}}$

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Grade 7 Factors & Multiples Answer Sheet

$$\begin{aligned} 1. \quad & 15 + 3b \\ & = \underline{3(5 + b)} \end{aligned}$$

$$\begin{aligned} 2. \quad & 5z + 60 \\ & = \underline{5(z + 12)} \end{aligned}$$

$$\begin{aligned} 3. \quad & 8m - 8 \\ & = \underline{8(m - 1)} \end{aligned}$$

$$\begin{aligned} 4. \quad & -25x - 10y \\ & = \underline{-5(5x + 2y)} \end{aligned}$$

$$\begin{aligned} 5. \quad & 66s - 11t \\ & = \underline{11(6s - t)} \end{aligned}$$

$$\begin{aligned} 6. \quad & 54p - 72q + 18 \\ & = \underline{18(3p - 4q + 1)} \end{aligned}$$

$$\begin{aligned} 7. \quad & 10w - 60 \\ & = \underline{10(w - 6)} \end{aligned}$$

$$\begin{aligned} 8. \quad & 35 + 42y \\ & = \underline{7(5 + 6y)} \end{aligned}$$

$$\begin{aligned} 9. \quad & 20a + 40b + 60d \\ & = \underline{20(a + 2b + 3d)} \end{aligned}$$

$$\begin{aligned} 10. \quad & 64 - 48m \\ & = \underline{8(8 - 6m)} \end{aligned}$$