

Translating Phrases - Linear Expression

Translate each verbal phrase into an algebraic expression.

1) 8 divides the difference between thrice of b and 15 _____

2) The Product of one-quarter and total of two-fifths of k and one-third _____

3) 24 plus 6 times _____

4) Multiply half _____

5) 5 times one _____

6) 3 divides sum _____

7) Multiply 10 _____

8) One-half of total of one-third and nine times t _____

9) Four-fifths multiplies product of 11 and x plus 25 _____

10) Product of 8 and 32 decreased by the factor of 5 and w _____

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Translate each verbal phrase into an algebraic expression.

- | | |
|--|---|
| 1) 8 divides the difference between thrice of b and 15 | $\frac{3b - 15}{8}$ |
| 2) The Product of one-quarter and total of two-fifths of k and one-third | $\frac{1}{4} \left(\frac{2k}{5} + \frac{1}{3} \right)$ |
| 3) 24 plus 6 times x | $9(24 + 6x)$ |
| 4) Multiply half of z by 7 | $\frac{7}{2}(8z - 13)$ |
| 5) 5 times one-third of t minus 1 | $5 \left(3t - \frac{1}{6} \right)$ |
| 6) 3 divides sum of y and 8 | $\frac{7y + 8}{3}$ |
| 7) Multiply 10 by v minus 20 | $10(4v - 20)$ |
| 8) One-half of total of one-third and nine times t | $\frac{1}{2} \left(\frac{1}{3} + 9t \right)$ |
| 9) Four-fifths multiplies product of 11 and x plus 25 | $\frac{4}{5}(11x + 25)$ |
| 10) Product of 8 and 32 decreased by the factor of 5 and w | $8(32 - 5w)$ |

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