

Translating Phrases - Linear Expression

Translate each verbal phrase into an algebraic expression.

1) Multiply one-third and total of one-half of $3x$ and one-seventh _____

2) The product of 4 and 9 times c increased by one-fifth _____

3) 6 times y rec _____

4) One-half of _____

5) 9 divides six _____

6) Difference b _____
by one-quar

7) Doubled 3 ti _____

8) Multiply one-fifth and total of one-quarter of t and 7 _____

9) Quotient of 9 times x minus 24 and 6 _____

10) Sum of one-quarter of $5c$ and one-half multiplied by 3 _____

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Translating Phrases - Linear Expression

Translate each verbal phrase into an algebraic expression.

- 1) Multiply one-third and total of one-half of $3x$ and one-seventh

$$\frac{1}{3} \left(\frac{3x}{2} + \frac{1}{7} \right)$$

- 2) The product of 4 and 9 times c increased by one-fifth

$$4 \left(9c + \frac{1}{5} \right)$$

- 3) 6 times y reduced by 14

$$13(6y - 14)$$

- 4) One-half of $3v + 28$

$$\frac{1}{2} (3v + 28)$$

- 5) 9 divides six times w plus 16

$$\frac{16 + 5w}{9}$$

- 6) Difference between $2z$ and $\frac{1}{3}$ multiplied by 4

$$\frac{1}{4} \left(2z - \frac{1}{3} \right)$$

- 7) Doubled 3 times h minus 18

$$2(3h - 18)$$

- 8) Multiply one-fifth and total of one-quarter of t and 7

$$\frac{1}{5} \left(\frac{t}{4} + 7 \right)$$

- 9) Quotient of 9 times x minus 24 and 6

$$\frac{9x - 24}{6}$$

- 10) Sum of one-quarter of $5c$ and one-half multiplied by 3

$$3 \left(\frac{5c}{4} + \frac{1}{2} \right)$$

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