

Answer on Question #81613 – Math – Algebra Question

Need this example step by step
 $\frac{1}{3} (6f + 9) + (5f + 6)$

Solution

$\frac{1}{3} (6f + 9) + (5f + 6) =$	distribution law $a(b \pm c) = ab \pm ac$ Every term inside the grouping symbols is multiplied by the term that is immediately outside. This is also called expanding the expression or removing the grouping symbols.
$\frac{1}{3} \times 6f + \frac{1}{3} \times 9 + 5f + 6 =$	simplified
$\frac{1}{\cancel{3}} \times \frac{\cancel{6}f}{1} + \frac{1}{\cancel{3}} \times \frac{\cancel{9}}{1} + 5f + 6 =$	
$2f + 3 + 5f + 6 =$	
$7f + 9$	

Answer: $7f + 9$.