**Unit 2: Equations in One Variable**

**Learning Target 5: Solve Multi-Step Equations**



 **Solve** $\frac{1}{3}h -4\left(\frac{2}{3}h -3\right)= \frac{2}{3}h -6$**. Check your solution.**



So, the solution is 6.

To check the solution, replace *h* with 6 in the original equation.



 −2 = −2 🗸 The sentence is true.

 **The school has budgeted $2,000 for an end-of-year party at the local park. The cost to rent the park shelter is $150. How much can the student council spend per student on food if each of the 225 students received a $3.50 gift?**

Let *f* represent the amount spent per student on food. Then *f* + 3.50 represents the total amount spent per student. There are 225 students and the park shelter costs $150.



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So, the student council can spend $4.72 per student on food.