

Solving Equations in Expanded Form



Directions:

Read the problem. Write the equation. Break each number into expanded form. Add the numbers in the hundreds place, tens place, and ones place. Write your answer in standard form.

<p>The Moon is an about 239 thousand miles away from Earth, which is about 30 Earths away. If you traveled 650 thousand miles beyond the moon, how far would you have traveled in all?</p>	$\begin{array}{r} 239 \Rightarrow 200 + 30 + 9 \\ + 650 \Rightarrow \underline{600 + 50 + 0} \\ \hline 880 \Leftarrow 800 + 80 + 0 \end{array}$ <p style="text-align: center;">880 thousand miles</p>
<p>More than 105 robotic spacecraft have been launched to explore the moon. If 262 more are launched, how many spacecraft would have been launched?</p>	
<p>One hundred twenty five satellites were launched into space in 1985. One hundred ten satellites were launched in 1986. How many were launched in this two-year period?</p>	
<p>Apollo astronauts brought back a total of 842 pounds of lunar rocks and soil to Earth. If they bring back 156 more pounds in this decade, how many pounds of lunar rocks and soil will we have to explore?</p>	