

Name: \_\_\_\_\_

### Weekly Spiral Questions - Quarter 3 Week 1

Show all work on a separate paper and attach it to the back. Be sure to label your answers appropriately! **(Calculator Inactive)**

1. If $x - 16 = 29$ , what is the value of $2(x + 5)$ ?	<b>Answer:</b>								
2. A scout troop is going hiking. They have 75 energy bars, 35 energy drinks, and 45 bottles of water. If each scout gets the same amount of supplies with none left over, what is the largest possible # of scouts in the troop?	<b>Answer:</b>								
3. Caden wants to buy a jacket for \$48.10. If he puts \$1.85 in his piggy bank each day, how many days will it take for Caden to have enough money for the jacket? (Remember the decimal dance!)	<b>Answer:</b>								
4. What is the value of $3n^2 - 4m \div 6$ when $n = 4$ and $m = 18$ ?	<b>Answer:</b>								
5. What is the least common multiple and the greatest common factor of the numbers 72 and 16?	<b>Answer:</b> LCM: _____ GCF: _____								
6. A rectangle is drawn with the dimensions shown. The area is listed inside each rectangle. Which number should replace the question mark?  <table style="margin-left: auto; margin-right: auto;"><tr><td></td><td style="text-align: center;">9</td><td style="text-align: center;">2</td><td></td></tr><tr><td style="text-align: center;">?</td><td style="border: 1px solid black; padding: 5px;">63</td><td style="border: 1px solid black; padding: 5px;">14</td><td></td></tr></table>		9	2		?	63	14		<b>Answer:</b>
	9	2							
?	63	14							
7. Find the value of $(\frac{1}{9})^3$	<b>Answer:</b>								
8. Tom has 12 carrot sticks. Sue has $\frac{1}{6}$ as many carrots as Tom. How many carrot sticks does Sue have?	<b>Answer:</b>								

