

Name: _____

Weekly Spiral Questions - Quarter 3 Week 2

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

1. Your family leaves on a roadtrip. On Monday, you drive 10^3 miles. Your family spends the night in a hotel and then you drive 8^3 miles on Tuesday morning and 6^4 miles after lunch. How many total miles did your family drive?	Answer:
2. Evaluate. $8^3 \div 2^3(5 \cdot 2^1)$	Answer:
3. Scout is conducting a research project on traffic patterns in her town. She realizes that at 6:00 AM each morning, the traffic lights reset and function on a pattern. The traffic light on Main St. turns red every 7 minutes. The traffic light on Elm St. turns red every 15 minutes. At what time will both lights be red at the same time?	Answer:
4. A board is $7\frac{1}{2}$ feet long. If the board is cut into equal pieces that are $\frac{3}{4}$ feet long, how many pieces will be cut?	Answer:
5. Rachel and her dad went shopping at Harris Teeter. Her dad bought 2 dozen of oranges for \$4.45 per dozen. What was the cost for each orange?	Answer:
6. Luis spent at least \$172 at the State Fair. What inequality represents the amount that he spent?	Answer:
7. Mashela has 1,500 songs downloaded on her phone. Sarah has 7^4 songs on her phone. Who has more songs on their phone? How many more songs do they have?	Answer:
8. Solve the inequality and graph. $4w + 6w \geq 50$	Answer Inequality: _____ 

