Short answer (38 points) *each blank is worth 2 points*

1. Name the three parts of the fire triangle. ▲ _____________ _____________ _____________

2. Olathe has _____________ (number of) fire stations.

3. A firefighter usually uses ________________ to remove the heat side of the fire triangle.

4. In a fire, ________________ and ________________ hurt people more often than the flames.

5. Most Olathe home fires happen in the ________________ (area of the home).

6. The time most Olathe home fires happen is between ________________ and ________________.

7. What type of call does the Olathe Fire Department run most often? ________________ (abbreviation).

8. The *very best* thing for grown-ups to put on a grease fire is a ________________.

9. Olathe has at least ________________ firefighters on duty every day.

10. In a ________________ degree burn, the skin will be pink to cherry red with blisters.

11. Hot water that is only ________________ degrees Fahrenheit can cause a third degree burn in one second.

12. Yes or no, does water need to be boiling to cause a third degree burn? ________________

13. When you perform stop, drop, and roll, what part of the fire triangle are you removing? ________________

14. How many total calls did the Olathe Fire Department run in 2016? ________________

15. How many more calls did the Olathe Fire Department run in 2016 than in 2010? ________________

*(show your math work for 2 more points)*
True of False (10 points)  *circle the correct answer*

1. More people die in the United States each year in fires, than in all natural disasters combined.  
   - T or F

2. A fire needs only a lighter, a heat source, and fuel to burn.  
   - T or F

3. A wooden desk is a fuel.  
   - T or F

4. The *best* thing to put on a burn is ice.  
   - T or F

5. The most common areas where Olathe home fires happen are the kitchen, deck/patio/porch, and the attic.  
   - T or F

Do the math (10 points)  *each blank is worth 2 points*

1. An Olathe ladder truck (Q56) carries; 1,000 feet of 4 inch hose, and 400 feet of 2 ½ inch hose in the back, 200 feet of 2 ½ inch hose, and 400 feet of 1 ¾ inch hose on the side, 100 feet of 1 ¾ inch hose in the front bumper, and 100 feet of 1 ¾ inch hose in a high-rise pack. How many total feet of hose does this truck carry?  
   - *(Show your math work for 2 more points)*

2. How many tires does 6 quints with 6 tires each have?  
   - __________ total tires

3. How many firefighters does 8 fire trucks with 3 firefighters each have?  
   - __________ total firefighters

4. How many *hours* long is one shift (firefighter work schedule)?  
   - __________ hours

Graph it (10 points)

Make a *line graph* showing the total number of calls the Olathe Fire Department ran from 2008 through 2015. Draw a point in the correct place on the graph for each year (2011 through 2015), then connect the points with a line. Write the number of calls for each year by the point you drew for that year. 2008 through 2010 have already been done for you as an example.