1. About how tall is a person if they are $\sqrt{10}$ feet tall?

2. In general, would it be reasonable for a person that tall to be an adult? If not, how old (generally) is a person that height?

3. Mr. Frias is 47 years old. If we wanted to re-write his (approximate) age as a $\sqrt{}$, how would we write that?

4. From GVHS to Magic Mountain is about $\sqrt{15}$ miles. About how far is that?

5. From Valencia to Disneyland is much farther... it's about 65 miles. How could we re-write this (approximate) distance as a $\sqrt{}$?

6. Think of the height of the fence around GVHS. Write this approximate height in feet as an integer and as a square root.

7. From Santa Clarita to San Francisco is about 300 miles. Use your calculator and write this (approximate) distance in radical form.

8. Would it make sense for a flower to be $\sqrt{28}$ feet tall? Why or why not?
9. Bella was in an accident while driving Jacob's car and Edward needs to know if she was speeding. The speed $s$ (in miles per hour) at which Jacob's car was traveling before the accident can be described by $s = \sqrt{30df}$ where $d$ is the length of the skid mark (in feet) and $f$ is the coefficient of friction. The coefficient of friction varies depending on the type of road surface and on the road conditions.

Bella was traveling on a newly paved road in Washington with a coefficient of friction of 0.80. Bella saw a hazard in the road (she thought it was Jasper) and was forced to brake. The car skid to a stop leaving a skid mark that is 100 feet long. Was Bella going over the speed limit of 55 mph before she applied the brakes?

The same thing happened to Esme Cullen. How fast was the Esme going if her skid mark was 1500 feet long? Is this even possible? What type of car would she need?

Challenge: What if the Cullen family was trying to get away from the Volturi and was driving about 130 miles per hour. Then they had to stop very quickly (because Charlie Swan was in the road). How long would their car's skid mark be?