Module B: Lesson 8 – The Cullinan Diamond Centennial

1. What is the size of the Cullinan rough in carats? And then in grams?
   1. 3106 ct = 621.2 grams
2. Where does the Cullinan I reside today?
   1. Crown Jewels of England
3. When was the stone found, and when was it finally cut?
   1. Jan. 26, 1905; then cut on Feb 6 1908
4. Why is the Premier Mine so remarkable in terms of its diamond production?
   1. There were so many diamond deposits around
5. What was the first step taken by Asscher in transforming the rough stone into a gem?
   1. Examining, polishing, then the cleaving operation
6. What is the purpose of Figures 12 and 16, the plotting diagrams?
   1. Shows inclusions and blemishes of diamonds (also the facets)
7. What are the physical dimensions of the Cullinan II, and how many facets does it have?
   1. Cushion cut, 33 crown, 33 pavilion facets
   2. 45.4 x 40.8 x 24.2 mm – 317.40 ct
8. What type of formation do you think that Infrared and UV-Visible spectroscopy revealed to the gemologists and what did they infer from the results?
   1. You can tell if gems are diamonds or not – differentiate if one is a real diamond and if the other is a fake