



Project: Part Measurement (Day 1 PM)

Time: 3 Hours

Marks: 25 points

1. Given:

- Annotation and View Guide
- One physical part for reverse engineering per person

2. Task:

Create the following:

- 2.1** Create solid models of the part(s) by measuring the physical component and transferring that information to a digital CAD file(s)
- 2.2** Create a detailed part drawing(s) package which has at least the views and dimensions shown in the provided "Annotation and View Guide"
- 2.3** Use the Skills Canada layout template which you have created prior to the competition for your detail drawing(s)
- 2.4** Do not model any feature, which has not been dimensioned in the "Annotation and View Guide" – this includes embossed labels and graphics.

3. Output:

- 3.1** Create a PDF file of your final detail drawing(s) which has **at least the exact views and annotations shown** in the "Annotation and View Guide"
- 3.2** Name your file: ### Day1PM.pdf (### is your unique contestant number.)

4. General:

- 4.1** Each task throughout the competition is independent from the others.
- 4.2** DO NOT include any part of your name, school, province/territory in documents, or when naming files and folders being submitted.
- 4.3** Any file, identified by any part of a competitors' name, school, province/ territory, will not be judged.

4.4 When you have finished working on a specific day, do not close project files or turn off your computer, Judges will view and mark your work on screen as needed.

4.5 Ask the judges before leaving the competition area as the judges may require your assistance accessing your work.

5. Assessment:

Task 2.1 Create solid models of the part(s) by measuring

-Select features identifiable from the views presented in the "Annotation and View Guide": **15 points**

Task 2.2 Create a detailed drawing package containing annotations

-Select annotations identifiable from the details you create with reference to the "Annotation and View Guide": **10 points**

Total: 25 points