SASKATCHEWAN WORKPLACE AND APPRENTICESHIP MATHEMATICS 30 · UNIT B · 5 QUESTIONS

Measurement, Precision, Accuracy and Tolerance — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **Thick coiled natural rope on a plain light surface, a length stretches out beside the coil, large in frame, no people. A part has nominal length 75 mm with tolerance plus or minus 10 mm. The acceptable range is**



A 75 to 85 mm

B 65 to 75 mm

C 55 to 95 mm

D 65 to 85 mm

Understand It with Pulse | Flag a mistake

2 **A true value is 200 and a measured value is 210. The percent error is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **A ruler marked in millimetres measures a length as 14 cm. The smallest division, in centimetres, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **A part has nominal length 150 mm with tolerance plus or minus 2 mm. The acceptable range is**

A 148 to 152 mm

B 150 to 152 mm

C 148 to 150 mm

D 146 to 154 mm

Understand It with Pulse | Flag a mistake

5 **A true value is 400 and a measured value is 410. The percent error is**

ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. D
2. 5
3. 0.1
4. A
5. 2.5

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