Measurement, Precision, Accuracy and Tolerance — Practice Test

Saskatchewan Workplace and Apprenticeship Mathematics 30 • 10 questions

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 **A measurement is recorded as 10 cm to the nearest centimetre. The highest possible true value, in centimetres, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **A measurement is recorded as 60 cm to the nearest centimetre. The lowest possible true value, in centimetres, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **A true value is 100 and a measured value is 102. The percent error is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **A part has nominal length 150 mm with tolerance plus or minus 10 mm. The acceptable range is**

- A 150 to 160 mm
- B 140 to 160 mm
- C 140 to 150 mm
- D 130 to 170 mm

Understand It with Pulse | Flag a mistake

5 **A measurement is recorded as 20 cm to the nearest centimetre. The highest possible true value, in centimetres, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **A measurement is recorded as 20 cm to the nearest centimetre. The lowest possible true value, in centimetres, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **A true value is 80 and a measured value is 82. The percent error is**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **A measurement is recorded as 30 cm to the nearest centimetre. The highest possible true value, in centimetres, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **A measurement is recorded as 40 cm to the nearest centimetre. The lowest possible true value, in centimetres, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **A true value is 50 and a measured value is 48. The percent error is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	10.5	**5.**	20.5	**9.**	39.5
2.	59.5	**6.**	19.5	**10.**	4
3.	2	**7.**	2.5		
4.	B	**8.**	30.5		

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