

Instructions: Answer each of the following questions to the best of your ability. Use the proper number of significant figures and units in each question. You will have 10 minutes to complete the quiz.

1. Give the result for each of the following with the proper number of significant figures.

a.  $0.007892 + 3.45 \times 10^{-2} - 0.0005$

b.  $4.184 \times 50.0 \times (298.15 - 273.2)$

c.  $(8.51 \times 10^5 \times 10.00) \div 150$

2. Perform each of the following conversions

a. 10.00km to mm

b.  $8546 \text{cm}^3$  to  $\text{dam}^3$

c.  $7.42 \times 10^7 \text{ng}$  to g

d. 8.50L to nL