

Exercises in Significant Figures

Student Name: Quinn Dougherty

1. Tell how many significant figures there are in each number.

87.3 3

.2906 4

.0047 2

3.40 2

2900 2

4.3×10^7 2

2. Round off each of the following to three significant figures or, if the leftmost sig. fig. is a 1, to four significant figures.

8.75392 8.75

12.5486 12.55

694283 694000

3. Carry out the specified calculations and round off your answer in a manner appropriate to the accuracy of the given information.

$$\begin{array}{r} 237.0 \\ + 3.389 \\ \hline \end{array}$$

240.4
(rounded off answer)

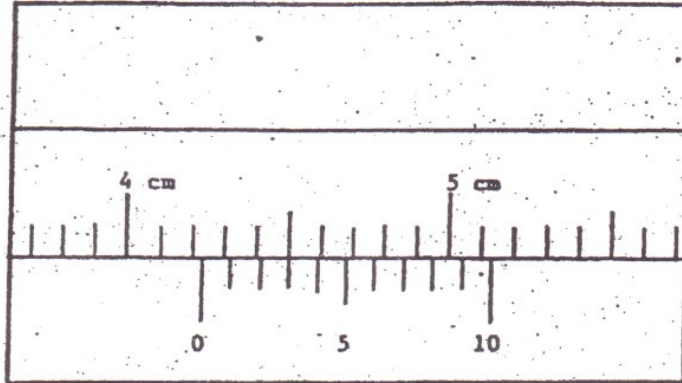
$$\begin{array}{r} .874674 \\ \times 5.1 \\ \hline \end{array}$$

4.5
(rounded off answer)

Student Name: _____

2

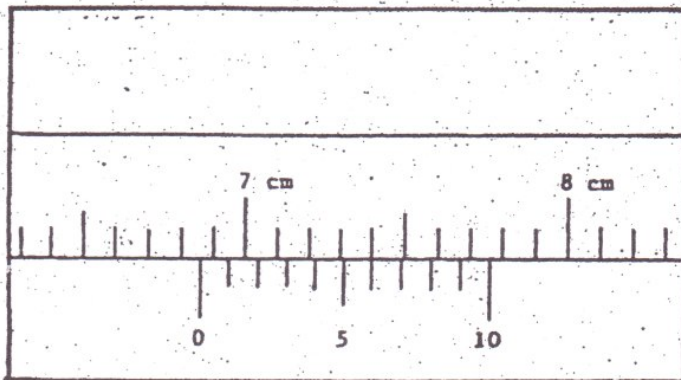
Vernier Caliper exercise



Reading:

4.23

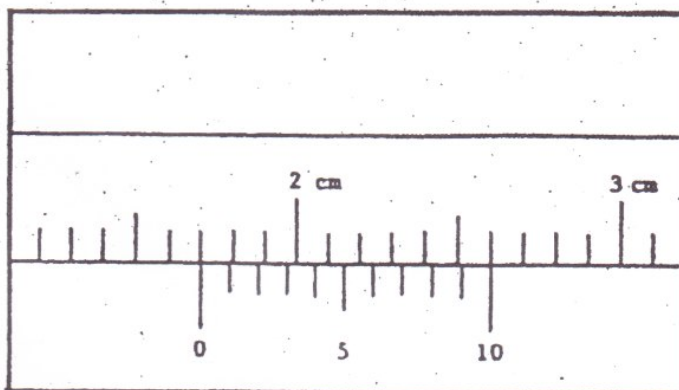
cm



Reading:

6.86

cm



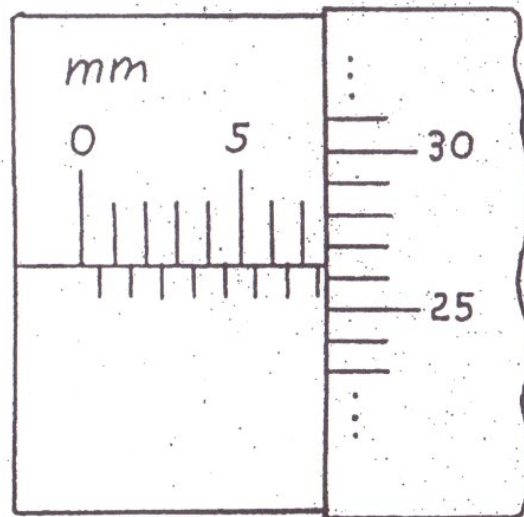
Reading:

1.70

cm

Student Name: _____

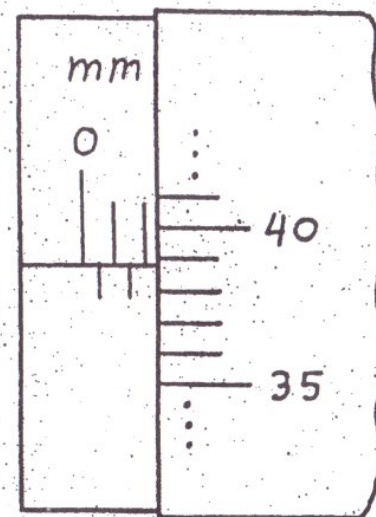
MICROMETER EXERCISE



READING:

= 7.76 mm

= 0.776 cm



READING:

= 2.39 mm

= 0.239 cm