## Significant Figures Worksheet

## Significant Figures

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1	Indicate	how many	cionifican	t figures the	re are in eac	h of the fo	llowing me	asured values.
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2. Calculate the answers to the appropriate number of significant figures.

3. Calculate the answers to the appropriate number of significant figures.

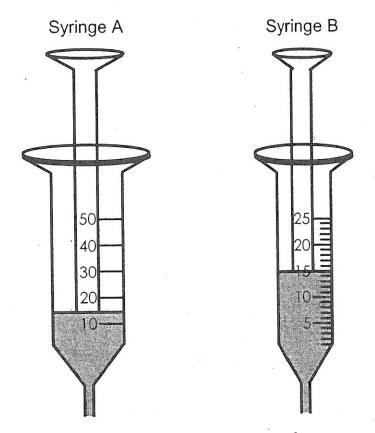
a) 
$$23.7 \times 3.8 =$$

k) 
$$\frac{(14.86+13.7) \times (65.346-4.10)}{(43.888-32.888)} =$$

## Measurement

## Question 4

Below is a diagram of two syringes used to collect gases. The gases are represented by the shaded portion in the syringe.



Indicate the volume of each gas as measured by the two syringes.

Observe the conventions regarding significant figures, and give the uncertainty of the measurement.