



$$\frac{0.0136 \times 10^{17} \text{cm} + 9.445 \times 10^{17} \text{cm}}{0.1000 \times 10^{10} \text{min} - 1.000 \times 10^{10} \text{min}} =$$

$$\frac{9.459 \times 10^{17} \text{ cm}}{-0.900 \times 10^{10} \text{ min}} = -1.05 \times 10^8 \text{ cm/min}$$

Answer \_\_\_\_\_

b. 
$$\frac{(2.40 \times 10^{-4} \text{ cm}) (7.5 \times 10^{-3} \text{ cm})^4}{(3.00 \times 10^{-3} \text{ cm} + 6.77 \times 10^{-4} \text{ cm})^2} =$$

$$\frac{(2.40 \times 10^{-4} \text{cm}) (3.2 \times 10^{-9} \text{cm}^4)}{(3.00 \times 10^{-3} \text{cm} + 0.677 \times 10^{-3} \text{cm})^2} =$$

$$\frac{7.7 \times 10^{-13} \text{cm}^5}{(3.68 \times 10^{-3} \text{cm})^2} =$$

$$\frac{7.7 \times 10^{-13} \text{cm}^5}{1.35 \times 10^{-5} \text{cm}^2} = 5.7 \times 10^{-8} \text{ cm}^3$$

Answer \_\_\_\_\_

Turn to the next page



8. Read the following scales to the correct number of significant figures.



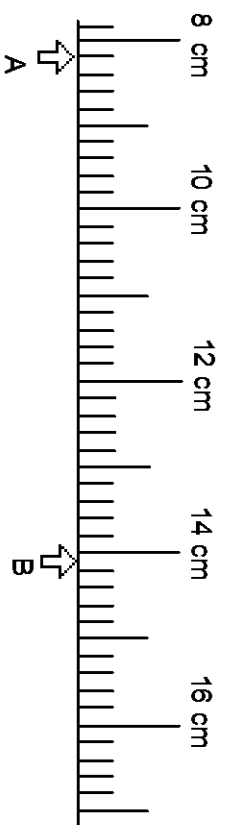
A. \_\_\_\_\_

B. \_\_\_\_\_



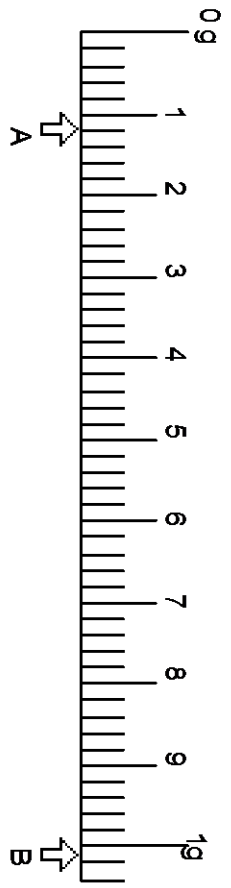
A. \_\_\_\_\_

B. \_\_\_\_\_



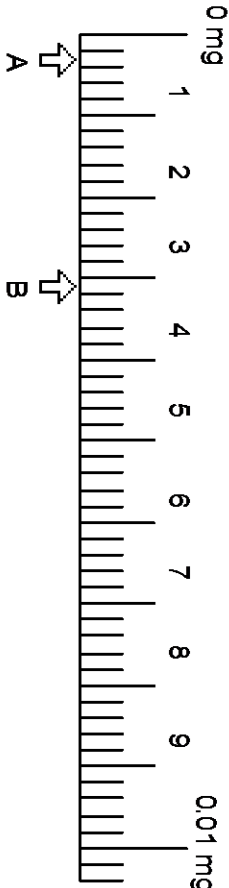
A. \_\_\_\_\_

B. \_\_\_\_\_



A. \_\_\_\_\_

B. \_\_\_\_\_



A. \_\_\_\_\_

B. \_\_\_\_\_