

# Chemistry 11

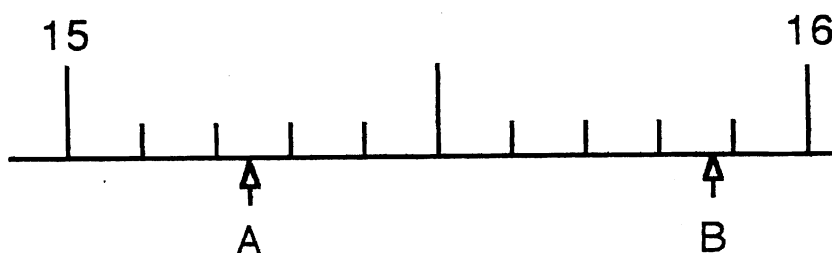
## Unit Conversion Worksheet

Directions: In each of the following questions, determine the reading. *Note:* All measurements are in cm.

*Helpful hints:*

1. Find the difference between each numbered division.
2. Calculate the value of the unnumbered subdivisions (count the number intervals between the numbered divisions and divide)
3. Take your time and ensure you are recording the correct number of sig figs.

1.

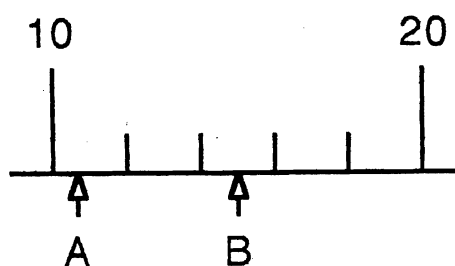


A = 15.24 cm

B = 15.88 cm

$15.88 - 15.24 = 0.64 \text{ cm}$

2.

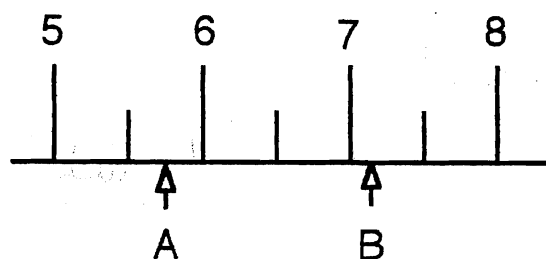


A = 10.8 cm

B = 15.0 cm

$15.0 - 10.8 = 4.2 \text{ cm}$

3.



A = 5.7 cm

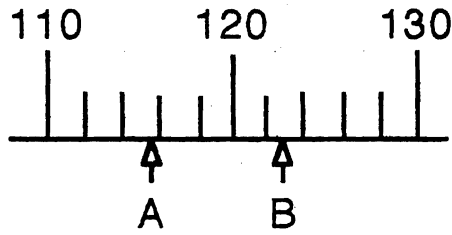
B = 7.2 cm

$7.2 - 5.7 = 1.5 \text{ cm}$

Name: \_\_\_\_\_

Block: \_\_\_\_\_

4.

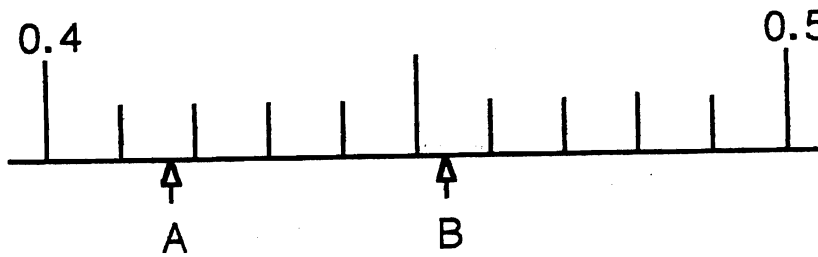


A = 115.8 cm

B = 122.9 cm

$122.9 - 115.8 = 7.1$  cm

5.

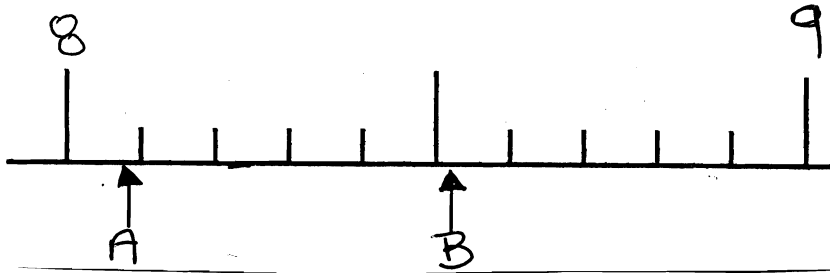


A = 0.417 cm

B = 0.454 cm

$0.454 - 0.417 = .037$  cm

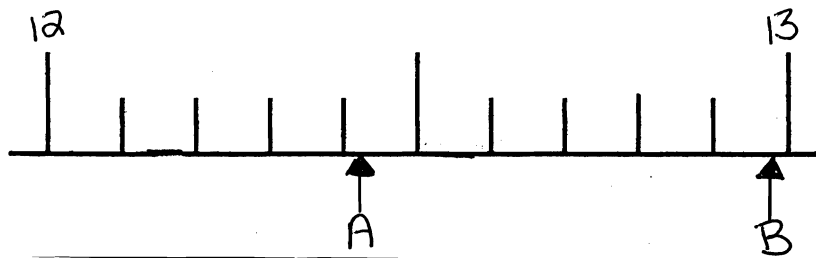
6.



A = \_\_\_\_\_

B = \_\_\_\_\_

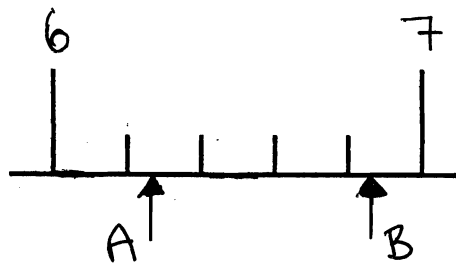
7.



A = \_\_\_\_\_

B = \_\_\_\_\_

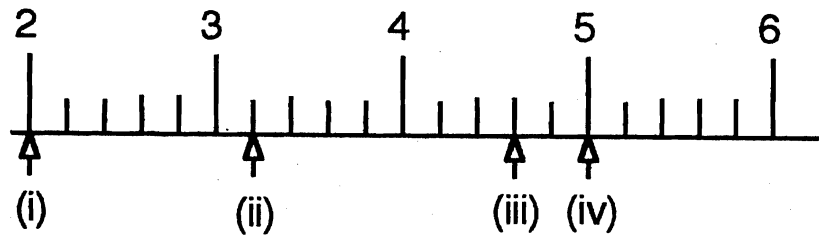
8.



A = \_\_\_\_\_

B = \_\_\_\_\_

9.



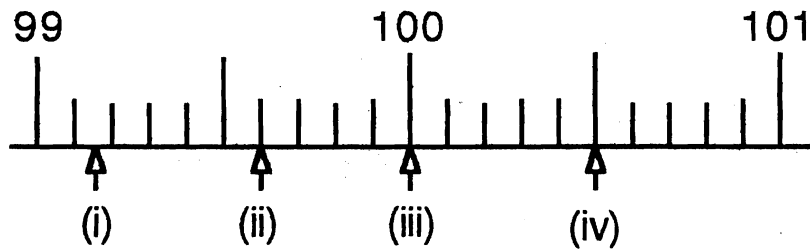
(i) = \_\_\_\_\_

(ii) = \_\_\_\_\_

(iii) = \_\_\_\_\_

(iv) = \_\_\_\_\_

10.



(i) = \_\_\_\_\_

(ii) = \_\_\_\_\_

(iii) = \_\_\_\_\_

(iv) = \_\_\_\_\_

Be careful with these ones...the numbers increase going down

11.



13.



12.



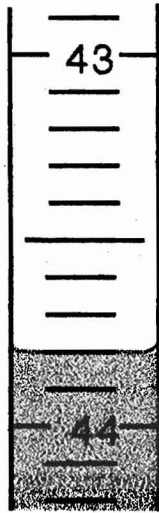
14.



Name: \_\_\_\_\_

Block: \_\_\_\_\_

15.



43.80 ml

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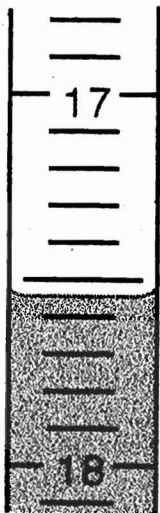
17.



0.02 ml

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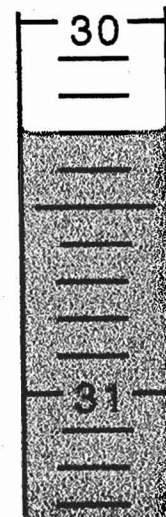
16.



17.54 ml

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18.



30.30 ml

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