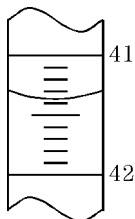


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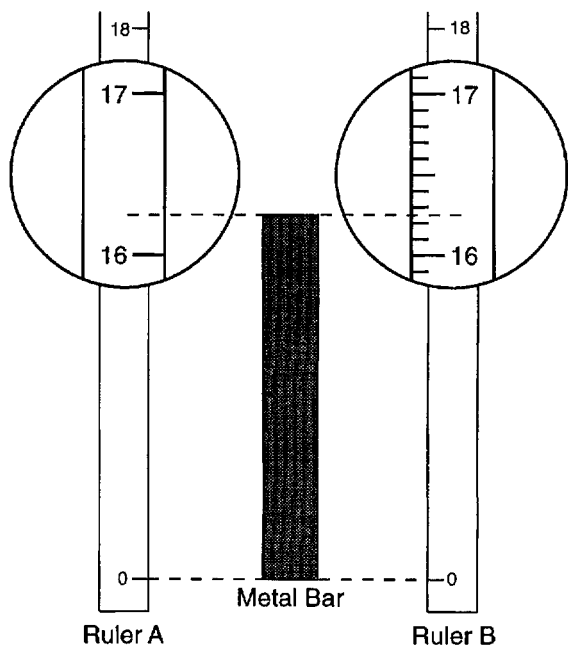
Date: _____

1. Which is the correct reading of the meniscus as shown in the portion of the buret in the diagram?

- (A) 41.30 mL (B) 41.35 mL
 (C) 42.60 mL (D) 42.65 mL

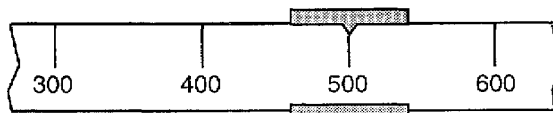


2. The diagram represents a metal bar and two centimeter rulers, A and B. Portions of the rulers have been enlarged to show detail. What is the greatest degree of precision to which the metal bar can be measured by ruler A and by ruler B?



- (A) to the nearest tenth by both rulers
 (B) to the nearest hundredth by both rulers
 (C) to the nearest tenth by ruler A and to the nearest hundredth by ruler B
 (D) to the nearest hundredth by ruler A and to the nearest tenth by ruler B

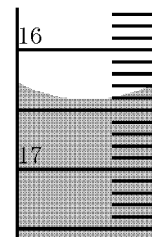
3. The diagram shown represents a portion of a triple-beam balance. If the beams are in balance with the riders in the positions shown, what is the total mass of the object?



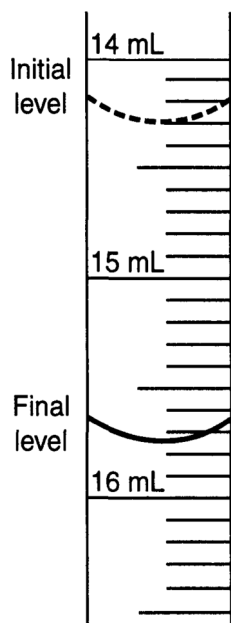
- (A) 540.20 g (B) 540.52 g
 (C) 545.20 g (D) 545.52 g

4. The given diagram shows a portion of a buret. What is the meniscus reading in milliliters?

- (A) 16.00 (B) 16.40
 (C) 17.00 (D) 17.60



5. The accompanying diagram represents a section of a buret containing acid used in an acid-base titration.



What is the total volume of acid that was used?

- (A) 1.10 mL (B) 1.30 mL
(C) 1.40 mL (D) 1.45 mL

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Period: ____ 0.4 Measuring Sig Figs B 05/24/2014

1.
Answer: B
2.
Answer: C
3.
Answer: C
4.
Answer: B
5.
Answer: D

