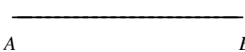


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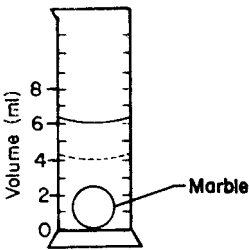
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1.   
The length of line  $AB$  shown is closest to one

- A. millimeter                      B. centimeter  
C. meter                              D. kilometer

2. The graduated cylinder shown is filled to the dashed line with water. A marble is then placed in the cylinder and the water level rises to the solid line as shown in the diagram. What is the volume of the marble?

- A. 6 ml    B. 2 ml  
C. 8 ml    D. 4 ml



3. The mass of 100 paper clips is measured at 52.3 grams. The mass of a single paper clip from this group would be closest to
- A. 523 g                              B. 5.23 g  
C. 0.523 g                              D. 0.0523 g

4. Which of the following might be measured in square meters?
- A. the length of a pendulum string  
B. the volume of an atom  
C. the mass of a book  
D. the area of a desk top

5. A reasonable height for a chalk tray above the floor is closest to
- A. 1 centimeter                      B. 10 centimeters  
C. 100 centimeters                      D. 1,000 centimeters

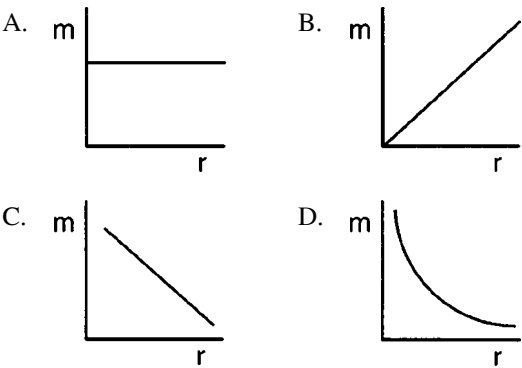
6. The height of an average adult is approximately 1.75

- A. cm    B. m    C. mm    D. km

7. Which is the most likely mass of a high school student?

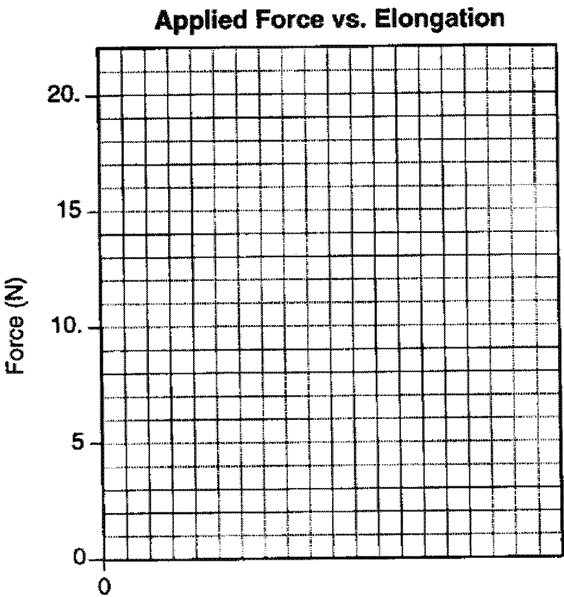
- A. 1 kg                                      B. 5 kg  
C. 60 kg                                      D. 250 kg

8. Which graph best represents the relationship between the mass ( $m$ ) of a satellite launched from Earth and the satellite's distance ( $r$ ) away from Earth?



9. Base your answer(s) to the following question(s) on the information in the data table below. The data were obtained by varying the force applied to a spring and measuring the corresponding elongation of the spring.

Applied Force (N)	Elongation of Spring (m)
0.0	0.0
4.0	0.16
8.0	0.27
12.0	0.42
16.0	0.54
20.0	0.71



Plot the data points for force versus elongation.

10. The maximum time allowed for the completion of this examination is approximately
- A.  $10^2$  s    B.  $10^3$  s    C.  $10^4$  s    D.  $10^5$  s

1.

Answer: B

2.

Answer: B

3.

Answer: C

4.

Answer: D

5.

Answer: C

6.

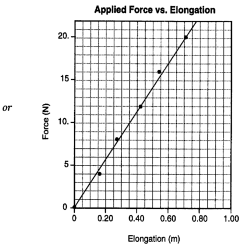
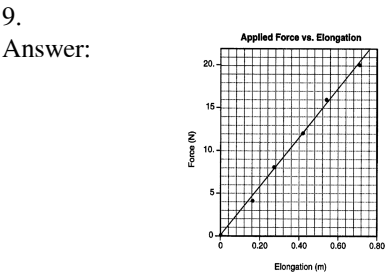
Answer: B

7.

Answer: C

8.

Answer: A



10.

Answer: C