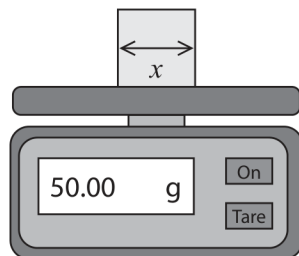
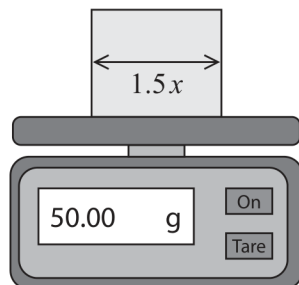


- 10 A student used a balance to measure the mass of a small cube with sides of length  $x$ .



The student also measured the mass of a larger cube with sides of length  $1.5x$ .



Which of the following is the density  $\rho_L$  of the larger cube in terms of the density  $\rho_S$  of the smaller cube?

- ☒ A  $\rho_L = 3.4\rho_S$
- ☒ B  $\rho_L = 1.5\rho_S$
- ☒ C  $\rho_L = 0.67\rho_S$
- ☒ D  $\rho_L = 0.30\rho_S$

(Total for Question 10 = 1 mark)

DO NOT WRITE IN THIS AREA

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