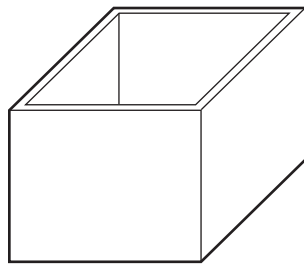
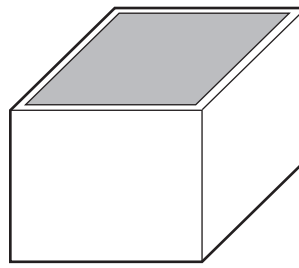


- 5 The diagrams show an empty rectangular box, and the same box filled with liquid.

The box has a mass of 60 g when empty. When filled with liquid, the total mass of the box and the liquid is 300 g.



empty box
60 g



box filled with liquid
300 g

The density of the liquid is 1.2 g/cm^3 .

What is the volume of the liquid in the box?

- A 50 cm^3 B 200 cm^3 C 250 cm^3 D 300 cm^3
- 6 An object travels in a circular path at constant speed.

Which statement about the object is correct?

- A It has changing kinetic energy.
 B It has changing momentum.
 C It has constant velocity.
 D It is not accelerating.
- 7 Which diagram shows the magnitude and direction of the resultant R of the two forces F_1 and F_2 ?

