

**10** A lorry of mass 3000 kg pulls a trailer of mass 1000 kg with an acceleration of  $2.0 \text{ m s}^{-2}$ .

What is the driving force due to the engine?

- A** 2000 N                      **B** 4000 N                      **C** 6000 N                      **D** 8000 N

**11** A uniform isolated disc is subjected to three forces, each given in terms of units of magnitude  $F$ .