

- 9** A ship of mass $8.4 \times 10^7 \text{ kg}$ is approaching a harbour with speed 16.4 m s^{-1} . By using reverse thrust it can maintain a constant total stopping force of $920\,000 \text{ N}$.

How long will it take to stop?

- A** 15 seconds
- B** 150 seconds
- C** 25 minutes
- D** 250 minutes

- 10** A tractor of mass 1000 kg is connected by a tow bar to a trailer of mass 1000 kg . The total