

- 8 A ship of mass  $8.4 \times 10^7 \text{ kg}$  is approaching a harbour with speed  $16.4 \text{ ms}^{-1}$ . 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