

8 A crane lifts a container of weight $4.0 \times 10^5 \text{ N}$ through a height of 25 m.

Which of the following gives the gravitational potential energy gained by the container in joules?

- ☐ A $4.0 \times 10^5 \times 9.81 \times 25$
- ☐ B $4.0 \times 10^5 \times 25$
- ☐ C $4.0 \times 10^5 \times 25 \div 9.81$
- ☐ D $4.0 \times 10^5 \div 9.81$

(Total for Question 8 = 1 mark)