

- 7 The student discovered that a thickness of 1.0 cm of lead reduced the corrected count rate to 50% of its initial value with no lead.

Which of the following statements is correct?

- ☐ **A** A thickness of 0.5 cm would reduce the corrected count rate to 75% of its initial value.
- ☐ **B** A thickness of 0.5 cm would reduce the corrected count rate to 25% of its initial value.
- ☐ **C** A thickness of 2.0 cm would reduce the corrected count rate to 25% of its initial value.
- ☐ **D** A thickness of 2.0 cm would reduce the corrected count rate to zero.

(Total for Question 7 = 1 mark)