

**29** A detector of ionising radiation gives a background count rate of 24 per minute.

A radioactive source is placed near the detector and the reading is 532 counts per minute.

What will the reading be after two half-lives of the source?

**A** 127

**B** 133

**C** 151

**D** 157

**29** Radiation from a radioactive source is detected by a Geiger-Müller counter. The count rate is 1000 counts per minute. If