

**35** A radioactive source is placed near a detector connected to a counter.

210 counts are recorded by the counter in 3 minutes.

The background count rate is 20 counts per minute (cpm).

What is the corrected count rate for the radioactive source?

**A** 50 cpm

**B** 70 cpm

**C** 190 cpm

**D** 270 cpm