

- 34** A manufacturer recommends that the longer the extension cord you use with an electric drill, the bigger the cross-sectional area of the cord should be.

What is a reason for this recommendation?

- A** Resistance is inversely proportional to both the length and the cross-sectional area.
- B** Resistance is inversely proportional to the length and directly proportional to the cross-sectional area.
- C** Resistance is proportional to both the length and the cross-sectional area.
- D** Resistance is proportional to the length and inversely proportional to the cross-sectional area.