

**19** A human muscle cell contains 46 chromosomes.

How many centromeres will be present in a cell during the stages of the mitotic cell cycle?

|          | early prophase | metaphase | anaphase |
|----------|----------------|-----------|----------|
| <b>A</b> | 46             | 46        | 92       |
| <b>B</b> | 46             | 92        | 92       |
| <b>C</b> | 46             | 46        | 46       |
| <b>D</b> | 92             | 46        | 46       |