8 The table shows information about the distances walked by 120 students on their way to school one week.

| Distance, $x$ (miles) | Frequency |  |  |
| :---: | :---: | :--- | :--- |
| $0<x \leqslant 5$ | 20 |  |  |
| $5<x \leqslant 10$ | 48 |  |  |
| $10<x \leqslant 15$ | 30 |  |  |
| $15<x \leqslant 20$ | 22 |  |  |

Work out an estimate for the mean distance.
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$

Answer $\qquad$ miles

