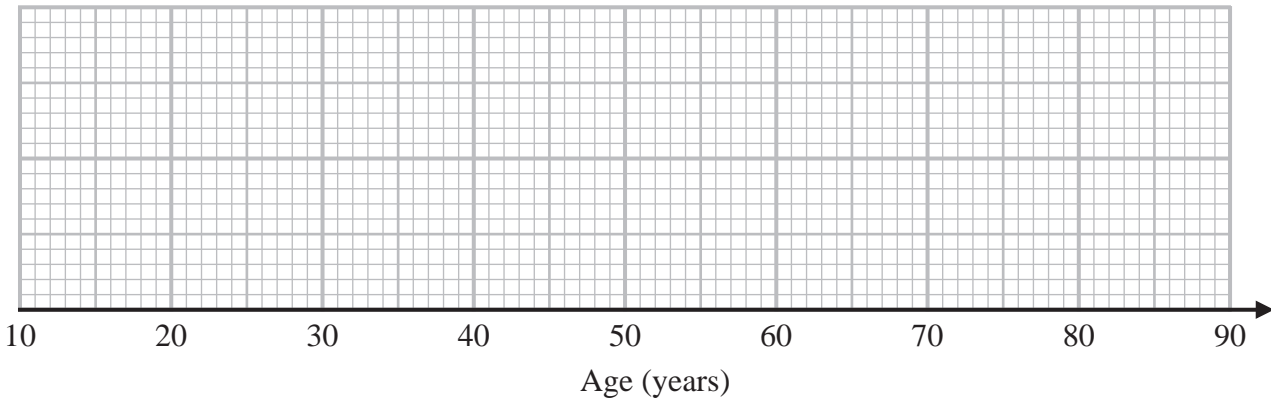


12 The table gives some information about the ages, in years, of 32 actors.

| | |
|----------------|----|
| Lowest age | 21 |
| Highest age | 80 |
| Lower quartile | 31 |
| Upper quartile | 42 |
| Median | 35 |

(a) Draw a box plot to represent this information.



(3)

(b) Work out an estimate for the number of these actors with an age between 31 years and 42 years.

(1)

Mary says,

“At least one of the actors is 35 years old because the median is 35”

(c) Is Mary correct?

Give a reason for your answer.

(1)