24 A box contains marbles.

4 of the marbles are red.
The rest of the marbles are yellow.

Antonia takes at random a marble from the box and does not replace it.
Sergio then takes at random a marble from the box.

The probability that Antonia and Sergio both take a yellow marble is 0.7

Work out how many marbles were originally in the box.
Show your working clearly.

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(Total for Question 24 is 5 marks)

TOTAL FOR PAPER IS 100 MARKS

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