

**MARKS**

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6. On a particular stretch of highway, the speed of each vehicle is measured by radar at a speed trap. However, the radar measurements are not always accurate – they correctly indicate 95% of those speeding but wrongly indicate speeding for 10% of those driving within the speed limit. If 30% of vehicles on the highway are speeding, find the percentage of vehicles caught in the speed trap which are *actually* speeding.

Percentage