Jennifer is playing darts. She throws two darts aiming for a Bullseye. The probability Jennifer hits the Bullseye on her first throw is \( \frac{1}{4} \). The probability she hits the Bullseye on her second throw is \( \frac{1}{3} \).

Work out the probability Jennifer hits the Bullseye at least once.

**Complete the tree diagram.**

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*Find angles ACD*  
*AEC*

**Evaluate**

\[ \left( \frac{49}{100} \right) - \frac{1}{2} \]

The area of the sector is 10cm\(^2\). Find y.