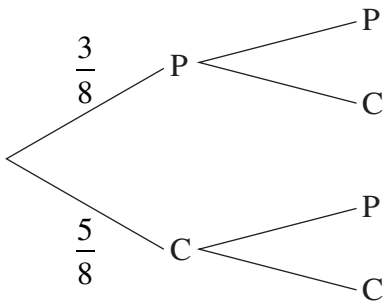
11 There are 8 chocolates in a box. Three have peppermint centres (P) and five have caramel centres (C).

Kim randomly chooses a chocolate from the box and eats it. Sam then randomly chooses and eats one of the remaining chocolates.

A partially completed probability tree is shown.



What is the probability that Kim and Sam choose chocolates with different centres?

A. $\frac{15}{64}$

B. $\frac{15}{56}$

C. $\frac{15}{32}$

D. $\frac{15}{28}$