

Dr Oliver Mathematics
Worked Examples
Probability 9

From: Edexcel GCSE Mathematics November 2024 Paper 2 (Calculator)

1. There are only red counters and yellow counters in a box.

(5)

$\frac{3}{5}$ of the counters are red.

Sophie takes at random two counters from the box.

The probability that the two counters are the same colour is $\frac{41}{80}$.

Work out the number of yellow counters in the box.