

Dr Oliver Mathematics

Worked Examples

Probability 10

From: My Own Example

1. There are only black counters and white counters in a box.

(5)

$\frac{5}{9}$ of the counters are black.

Denise takes at random two counters from the box.

The probability that the two counters are the same colour is $\frac{86}{171}$.

Work out the number of white counters in the box.