### 12th December

<table>
<thead>
<tr>
<th>Factorise $4y^2 - 1$</th>
<th>Factorise $x^2 + 6x - 27$</th>
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A shop sells a “meal deal” that contains a sandwich, a drink and a snack.
There are 10 different sandwiches.
There are 12 different drinks.
There are 5 different snacks.

How many different “meal deals” could be bought?

Write down the equation of the line that is perpendicular to $y = 6x + 1$ and passes through $(0, 8)$.

\[ \xi = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10\} \]
\[ O = \text{Odd numbers} \]
\[ P = \text{Prime numbers} \]

Complete the Venn diagram

A number is chosen at random
Find $P(O \cup P)$

A number is chosen at random
Find $P(O \cap P)$