### 26th June

- $\xi = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12\}$
- $A = \{\text{numbers less than 8}\}$
- $B = \{\text{prime numbers}\}$

Draw a Venn diagram for this information.

<table>
<thead>
<tr>
<th>$\xi$ = {1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12}</th>
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Enlarge triangle $A$ by scale factor $\frac{1}{2}$, using centre of enlargement $(−3, 0)$.

- Trains to Portadown leave a train station every 32 minutes.
- Trains to Portrush leave a train station every 28 minutes
- A train to Portadown and a train to Portrush both leave the train station at 8am.

When will a train to Portadown and a train to Portrush both leave the train station at the same time?

- David buys 2 DVDs and 2 CDs in a shop and in total they cost £32.
- Ellie buys 3 DVDs and 2 CDs in the same shop and they cost £43.

Form two equations and solve to find the cost of each DVD and each CD.

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