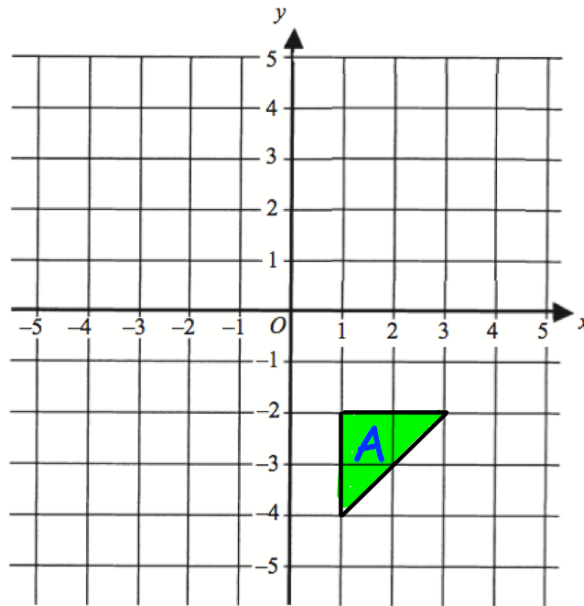



 $\xi = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12\}$
 $A = \{\text{numbers less than } 8\}$
 $B = \{\text{prime numbers}\}$

Draw a Venn diagram for this information.



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?

Asif has multiplied two numbers using his calculator.

The calculator shows the answer.

He can remember that one number was 5000.

What was the other number used in the multiplication?

