

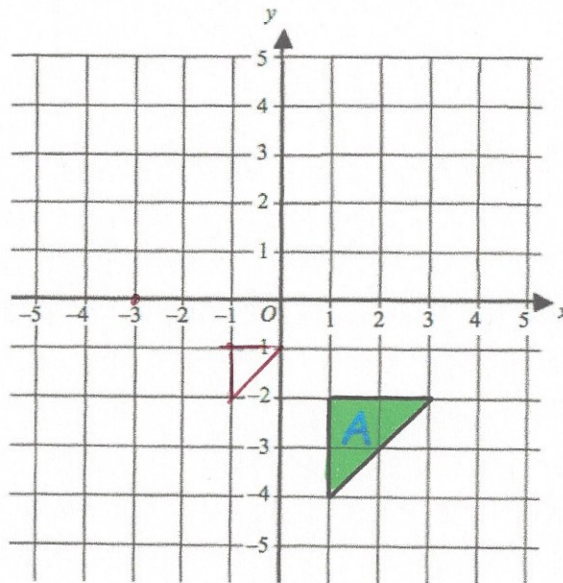
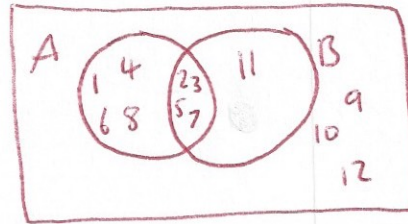
26th June



Corbettmaths

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

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?

11:44

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.



DVD = £11
 CD = £5

$$2D + 2C = 32$$

$$3D + 2C = 43$$

$$D = 11$$

$$2D + 2C = 32$$

$$2C = 10$$

$$C = 5$$