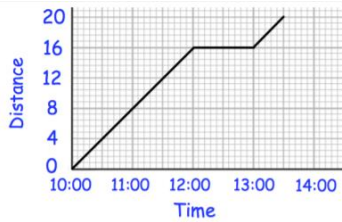


**Monday**

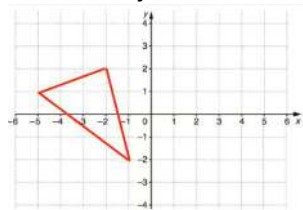
The graph shows the distance (in miles) from home at each time. How far was Nicky from home at 11:30?

12 miles

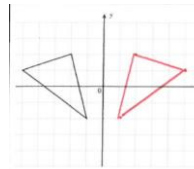
**Tuesday** *(These relates to the graph above)*

- a. What happened between 12:00 and 13:00?  
 b. Work out the speed between 10:00 and 12:00

- a She stopped - had a rest  
 b 16 miles in 2hrs  
 = 8 mph

**Wednesday**

Reflect the triangle in the y-axis

**Thursday**

Molly visits a restaurant.  
 She chooses one starter and one main.

Starters	Mains
Soup	Chicken
Prawn Cocktail	Beef
Melon	Pizza

List all the possible outcomes.

Soup + chicken    melon + chicken  
 Soup + beef        melon + beef  
 Soup + pizza       melon + pizza  
 prawn + chicken  
 prawn + beef  
 prawn + pizza

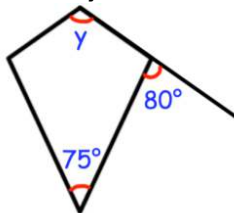
**Friday**

Here are 10 scores  
**1, 4, 4, 2, 3, 4, 5, 1, 4, 1.**

Find the mode

Find the median

- a Find the mode  
 1 1 2 3 4 4 4 4 5  
 Mode is 4  
 b Middle 2 numbers are  
 3 & 4  
 so median is 3.5

**Saturday**

Shown is a kite Calculate the size of angle y.

$$y = 360 - (100 + 100 + 75)$$

$$y = 360 - 275$$

$$y = 85$$

**Sunday**

- a. Expand  $y(3y + 2)$   
 b. Factorise  $x^2 - 5x$

$$y(3y + 2) \quad x^2 - 5x$$

$$3y^2 + 2y \quad x(x - 5)$$