MATHS

YEAR 6
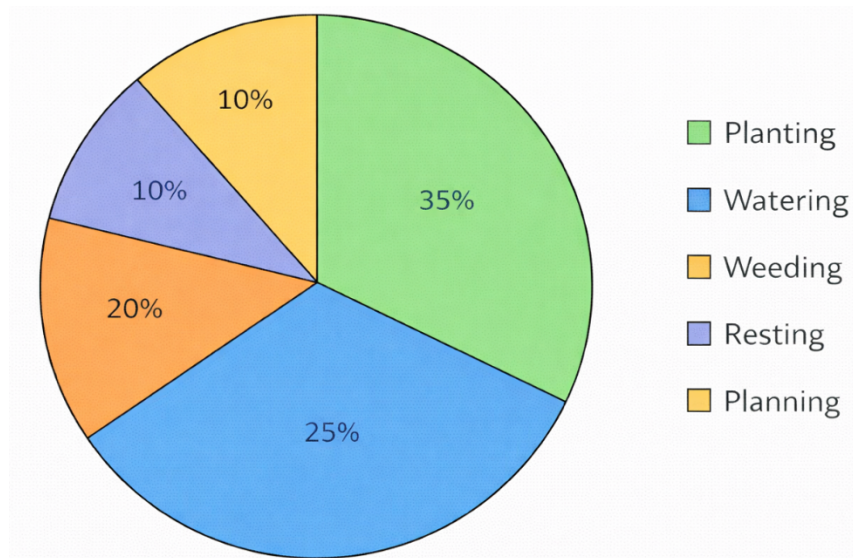**STATISTICS**

NC. Objective: To interpret and construct pie charts and line graphs and use these to solve problems; to calculate and interpret the mean as an average.

1. Perdita recorded how the time in the Bohemian gardens was spent over one week. The information she collated is shown in the pie chart below.

a) What percentage of the time was spent planting and watering combined?
b) What percentage of the time was spent resting?

   If the gardeners worked 600 minutes in total…

c) How many minutes were spent weeding?
d) How many minutes were spent planting?
e) How many minutes were spent planning and watering combined?

2. Camillo recorded how many messages he delivered each day.

   a) What is the total number of messages delivered?

   b) On which day did Camillo deliver the most messages?

   c) Calculate the mean number of messages per day.

   d) On which day did Camillo deliver the closest number of messages to the mean?

Day	Message
Monday	14
Tuesday	18
Wednesday	22
Thursday	16
Friday	20

3. The temperature in Bohemia over the course of a week is shown in this table below:

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Temperature	17°C	20°C	22°C	19°C	17°C	14°C	16°C

a) What was the temperature on Wednesday?

b) Which day was the coolest?

c) What was the overall change in temperature from Monday to Sunday?

d) Draw a line graph to show the information in the table.