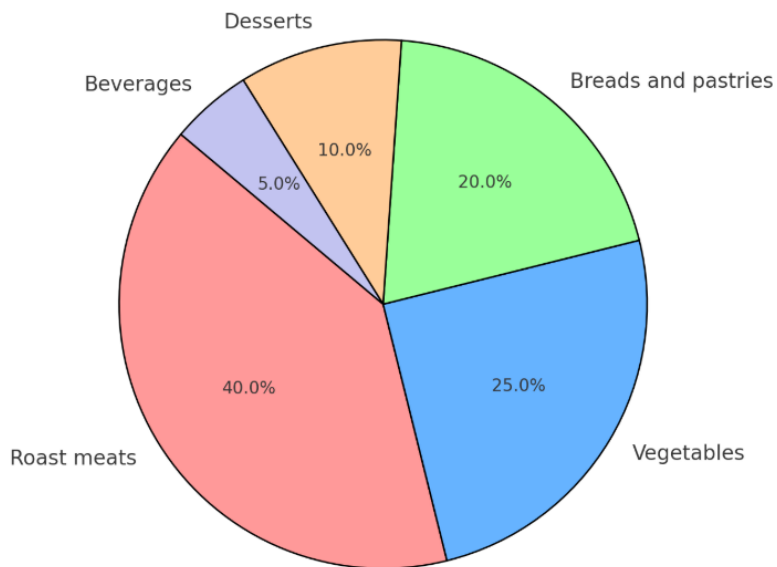


**MATHS**  
**YEAR 6**  
**STATISTICS**

**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.

- At a grand banquet, the servants recorded the types of food served. The pie chart below shows the distribution of food types.

The Feast of Elsinore: Food Distribution



- What percentage of the feast was devoted to meats and vegetables combined?
  - If there were 500 guests at the feast, how many guests ate dessert?
  - How many guests were served beverages?
- The castle spends money on different areas each month. The following are the expenses for January – July (in thousands of gold coins):

|          |    |
|----------|----|
| January  | 15 |
| February | 18 |
| March    | 12 |
| April    | 22 |
| May      | 20 |
| June     | 19 |
| July     | 16 |

- What is the mean monthly expense over these 7 months?
- If February's expense was 10 instead of 18, how would the mean change?

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

| Day         | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday | Sunday |
|-------------|--------|---------|-----------|----------|--------|----------|--------|
| Temperature | 8°C    | 10°C    | 12°C      | 9°C      | 7°C    | 5°C      | 6°C    |

- What was the temperature on Wednesday?
- Which day was the warmest?
- What was the overall change in temperature from Monday to Sunday?
- Draw a line graph to show the information in the table.

