

Name: _____

Represent Data

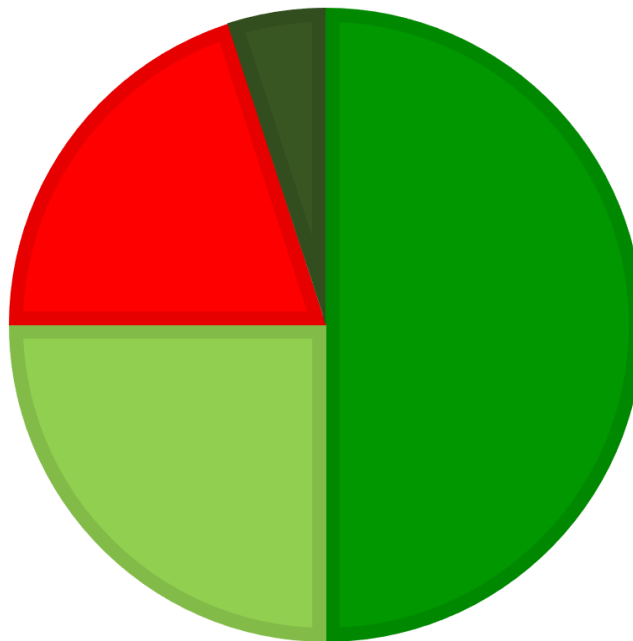
Pie Charts

You may use a calculator.

- 1) The following pie chart shows the percentage of each type of plant in Thando's garden.



TYPE OF PLANT



■ Grass ■ Bean ■ Tomato ■ Spinach

- a) Which plant makes up the largest percentage of the garden (the major sector)? (1)
- b) Which plant makes up the smallest percentage of the garden? (1)
- c) What fraction of the garden does each plant make up? (4)
- d) What percentage of the garden does each plant make up? (8)
- e) Which two types of plants together make up 75% of the plants in the garden? (2)

f) If there are 300 plants in the garden, how many of each plant is there? (4)

2) The favourite colours of the students in a Grade 7 class are shown in the table below.

a) Work out the fraction and percentage of the circle that will be used for each colour. [20]

Colour	Number of students	Fraction	Percentage
Red	10	$10/40=1/4$	25%
Green	8		
Blue	12		
Purple	2		
Yellow or Orange	6		
Other	2		
Total	40	$40/40=1$	100%

b) Draw a pie chart to represent the students' favourite colour. (7)
[17]

3) For each situation, say whether you would use a bar graph, a double bar graph, a histogram or a pie chart.

a) Times are recorded for how fast a group of students run 100m. (1)

b) The number of apples from each tree in an apple orchard. (1)

c) The types of food on a shelf in a store. (1)

[3]

Total: [40]