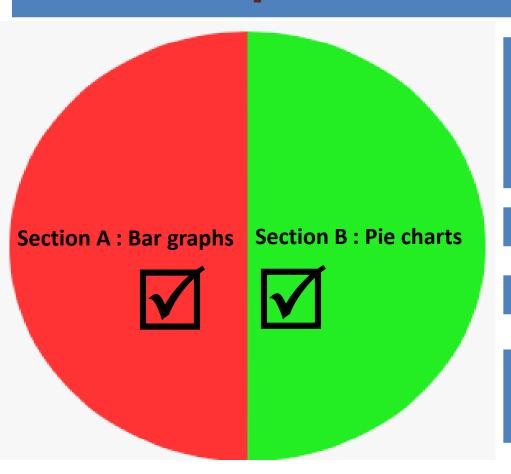
### Unit #16 Graphs Section B : Pie charts



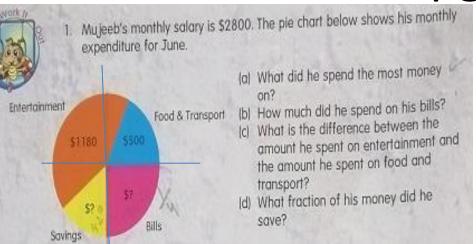
Answers of the given home work
(Do the text book problems in your notebook)

**Text** book page: 128

Activity book page: 116 & 117

Please check your answers and correct the wrong ones

# Refer T.B pg:128Q.No:1



c)Entertainment =1180 Food & Transport =500 Difference amount = 1180 - 500 = \$680

d) Savings = Total amount - Expenses = 2800 - (1180 + 500 + 700) savings = 2800 - 2380 = \$420

Fraction of money saved =  $\begin{vmatrix} 420 \\ 2800 \end{vmatrix} = \begin{vmatrix} 3 \\ 20 \end{vmatrix}$ 

 420
 =
 42
 =
 6
 =
 3

 2800
 =
 40
 =
 20

#### a) On entertainment \$1180

b)That slice shows1/4 of the circle. So ¼ of total amount he spent on bills

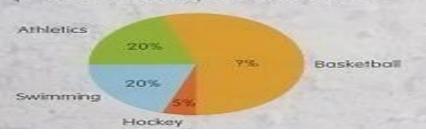
$$\frac{2800}{1}$$
 2800 ÷ 4 = \$700

1180 - 500 680

2 8 0 0 - 2 3 8 0 4 2 0

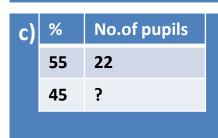
## Refer T.B pg:128Q.No:2

The pupils in a class were asked to write the name of their favourite outdoor sport. The pie chart below represents their choices.

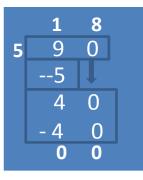


- (a) What percent of the class liked basketball?
  (b) What fraction of the class liked swimming?
  - c) If there were 22 pupils who chose basketball, how many pupils were there in the class altogether?

100	4 5
45	x 2 2
5 5	9 0
	+ 9 0 0
	9 9 0



Total pupils in the class = 22 + 18 = 40 pupils





# Refer A.B pg:116

# Worksheet 3 Pie charts 1. 80 pupils were asked to indicate their favourite type of food. The result of the survey is shown in the pie chart below.

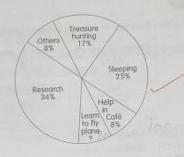


- (a) What was the favourite food of the 80 pupils?
- (b) What fraction of the pupils preferred Creole food?
- (c) What percentage of the pupils preferred Italian food?
- (d) How many pupils liked Chinese food?

a) Indian food

# Refer A.B pg:117

2. The pie chart below shows how Shoaib spent his time last Saturday.



- (a) What did Shoaib spend most of his time on?
- (b) How much time did Shoaib spend on research?
- (c) What fraction of the time did Shoaib spend helping in the café?
- (d) Shoaib decides to stop learning to fly a plane and use the time, instead, to help in café. What percent of the time does he spend helping in the café now?

a)Shohaib spent most of his time on research – 34%

c) 
$$\frac{8}{100}$$
 x 24 hrs =  $\frac{192}{100}$  =  $\frac{96}{50}$  =  $\frac{48}{25}$  hrs

d) % of time spent in café before = 8 % % of time spent to learn to fly = 8%

Time spent in café now = 8 % + 8 % = 16 %