

Unit #16 Graphs

Section A : Bar graphs

Answers of the given home work
Activity book page : 113,114 & 115

Text book page: 124 - Q. No. 1

(Do the text book problems in your notebook)

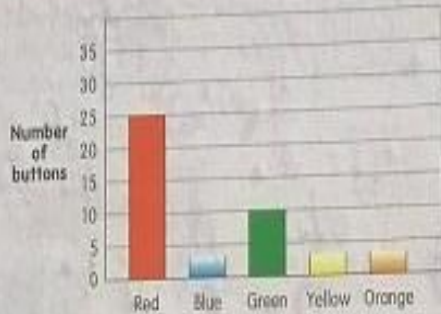
Please check your answers and correct the wrong ones

Refer T.B pg:124 Q . NO 1

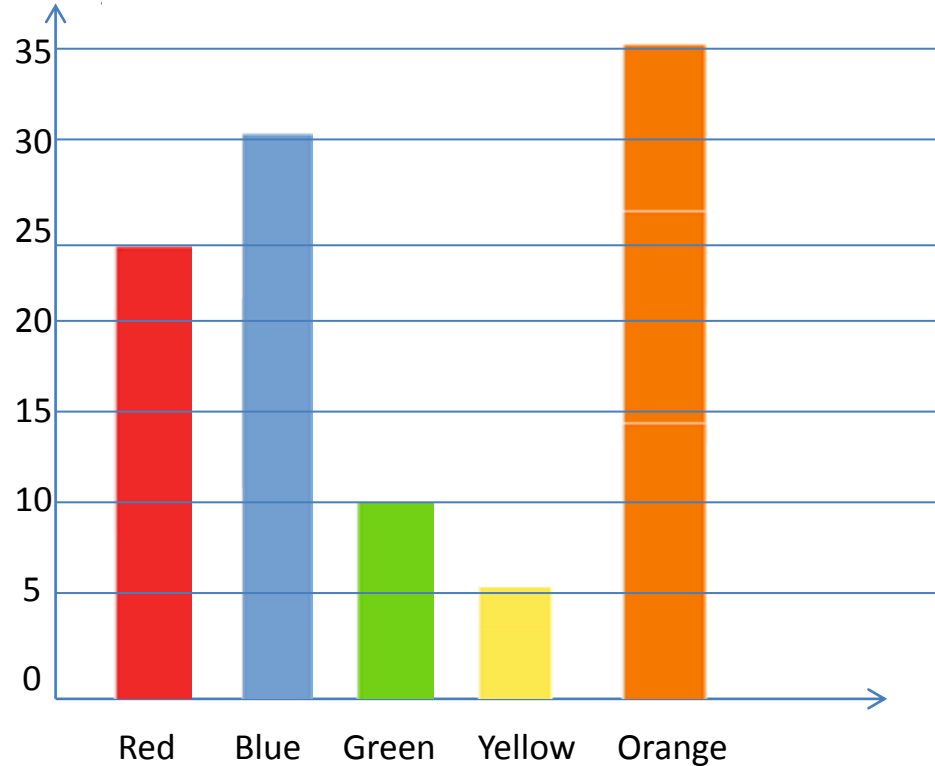


1. Copy and complete the bar graph below using the data shown in the frequency table.

Colour of buttons	Red	Blue	Green	Yellow	Orange
Number of buttons	25	30	10	5	35



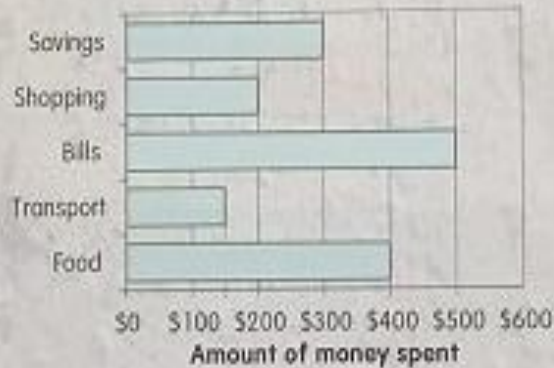
1. Complete bar graph



Refer T.B pg:124 Q.NO 2

horizontal

2. The bar graph shows how Areeb uses his monthly salary. Study the graph. Then, answer the questions below.



$$\text{a) Transport} = \$ 150$$

$$\text{b) Food and bills} = \$ 400 + \$ 500 = \$ 900$$

$$\text{c) Savings} - \text{shopping} = \$ 300 - \$ 200 = \$ 100$$

$$\text{d) } \$ 300 + \$ 200 + \$ 500 + \$ 150 + \$ 400 = \$ 1550$$

- a) How much does Areeb pay for his transport?
 b) How much does Areeb spend on food and bills?
 c) How much more does Areeb put in his savings then spend on shopping?
 d) How much does Areeb earn each month?

Activity Book Chapter 16
Worksheets 1-2

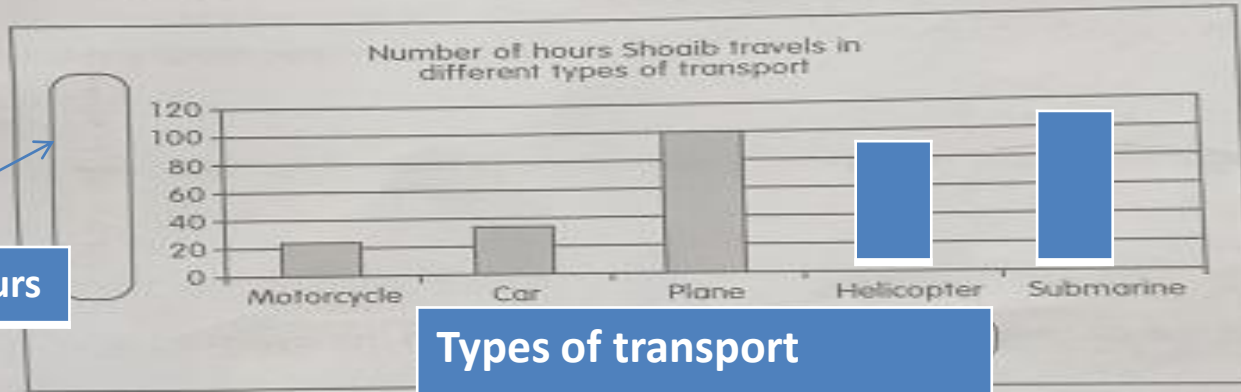
$$\begin{array}{r} 400 \\ + 500 \\ \hline 900 \end{array}$$

$$\begin{array}{r} 300 \\ - 200 \\ \hline 100 \end{array}$$

$$\begin{array}{r} 300 \\ 200 \\ 500 \\ 150 \\ + 400 \\ \hline 1550 \end{array}$$

Refer A.B pg:113

Complete the bar graph to represent the data in the table.



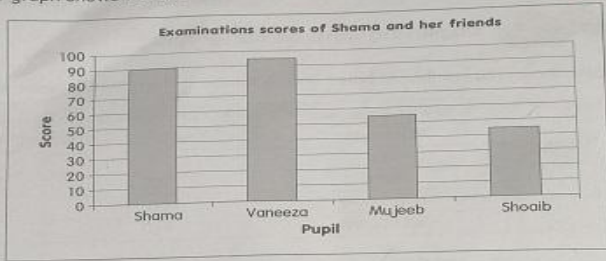
Number of hours

Types of transport

Refer A.B pg:114

Worksheet 2 Interpreting bar graphs

1. The bar graph shows the examination scores of Shama and her friends.



(a) How many pupils passed the examination?

(b) Who had the highest score?

(c) What is the difference between the highest score and the lowest score?

(d) What is the total score of the 4 pupils?

a) 3 pupils

b) Vaneeza scored highest -- 95

c) Highest score = 95

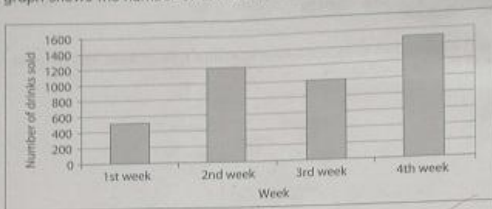
Lowest score = 45

So difference = $95 - 45 = 50$

d) $90 + 95 + 55 + 45 = 285$

Refer A.B pg:115

2. The bar graph shows the number of drinks sold last month at Shama's café.



Study the graph and complete the table.

Week	Number of drinks sold
1	
2	
3	
4	

1	500
2	1200
3	1000
4	1500

(a) How many drinks were sold in that month?

(b) What is the average number of drinks sold per week?

(c) What is the difference in sales between the two weeks with the least sales?

(d) There are fewer drinks sold in the 1st week than the last week.

(e) If the price of the drinks is \$1.50 per cup, what is the sales for the 3rd week?

$$\text{a) } 500 + 1200 + 1000 + 1500 = 4200 \text{ drinks}$$

$$\text{b) Average} = \text{total drink} / \text{no.of weeks} = 4200 \div 4$$
$$4200 \div 4 = 1050 \text{ drinks}$$

$$\text{c) Difference in sale} = 3^{\text{rd}} \text{ week} - 1^{\text{st}} \text{ week}$$
$$= 1000 - 500 = 500 \text{ drinks}$$

$$\text{d) } 4^{\text{th}} \text{ week} - 1^{\text{st}} \text{ week} = 1500 - 500 = 1000$$
$$1000 \text{ fewer drinks}$$

$$\text{e) } 3^{\text{rd}} \text{ week sale} = 1000$$
$$\text{Price per cup} = \$ 1.50$$
$$\text{Price for 1000 drinks} = 1000 \times 1.50 = 1500 .00$$
$$\$ 1500$$