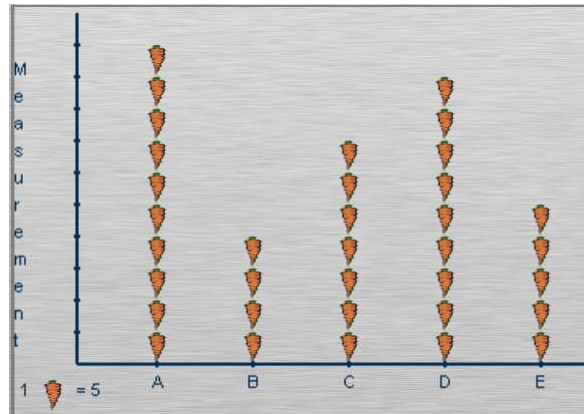




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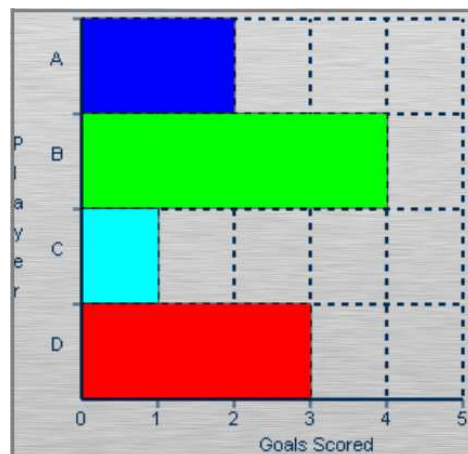
Data handling

1. Use the given pictograph to answer the questions.

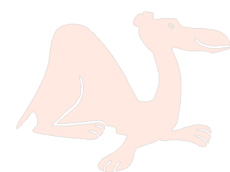


- 1.1 How much will each carrot represent?
- 1.2 Which carrot is the longest?
- 1.3 How much longer is carrot E than carrot B?
- 1.4 How long is carrot B?
- 1.5 What is the sum of the heights of carrot C and carrot D?

2. Use the elementary histogram to answer the given questions.



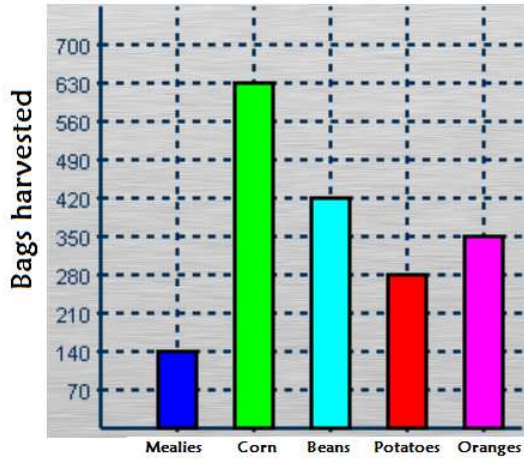
- 2.1 How many goals did Player C score?
- 2.2 Which player is the best goal scorer?
- 2.3 How many goals did all the players score together?
- 2.4 Which player scored 3 goals?





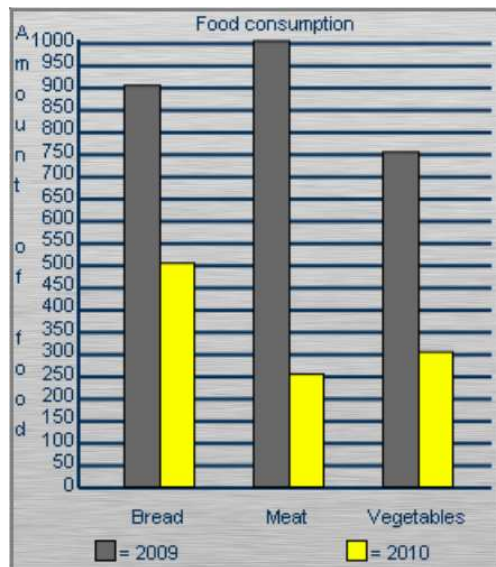
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3. Use the bar graph to answer the given questions.

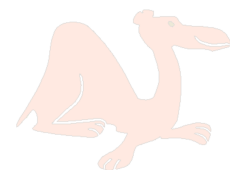


- 3.1 Which crop's production was the highest?
- 3.2 Which crop's production was the lowest?
- 3.3 What was the total number of bags harvested?
- 3.4 If the corn costs R150 per bag, what was the income from the corn crop?

4. The following Double bar graph shows the amount of food required for patients in a hospital.



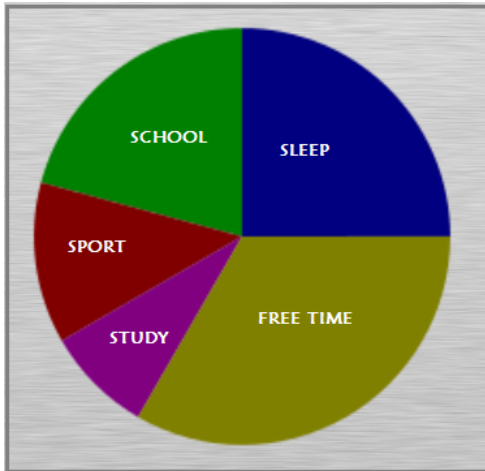
- 4.1 Which food item had the least consumption rate in 2009?
- 4.2 Which food item had the highest consumption in 2010?
- 4.3 How many patients had meat in 2009 and 2010?





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5. A student's day is divided as shown in the pie graph.

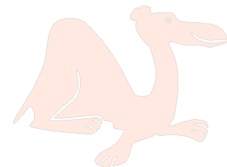


- 5.1 Calculate the angle of the sector that represents Free Time if 8 hours per day is spent on Free time.
- 5.2 If the school sector represents 75° , how many hours are spent in school?

6. Use the following data values to answer the questions.

196 160 84 247 8 107 244 16 83 132 233 48 236 83

- 6.1 Write the data values from smallest to biggest.
- 6.2 Calculate the median.
- 6.3 Calculate the mode.





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MEMO

1. Pictograph [10.1.2.3]

- 1.1 5
1.2 A
1.3 5
1.4 20
1.5 80

2. Elementary histograms. [10.1.2.4]

- 2.1 1
2.2 B
2.3 10
2.4 D

3. Bar graphs. [10.1.2.5]

- 3.1 Corn
3.2 Mealies
3.3 1820
3.4 $R150 \times 630 = R94\ 500$

4. Double bar graphs. [10.1.2.6]

- 4.1 Vegetables
4.2 Bread
4.3 1250

5. Pie graph. [10.1.4.2]

5.1 $\frac{8}{24} \times 360^\circ = 120^\circ$

$$\frac{x}{24} = \frac{75^\circ}{360^\circ}$$

5.2 $x = \frac{75^\circ \times 24}{360^\circ}$

$$x = 5 \text{ hours}$$

6. Mode and median. [10.3.1.2]

- 6.1 8 16 48 83 83 84 107 132 160 196 233 236 244 247
6.2

$$\text{Median} = \frac{107 + 132}{2} = 119.5$$

- 6.3 Mode = 83