* Arjun can swim at 10 km/hr and come back. How far the place..

Data Interpretation

* Whenever we attach pointer to a numbers then it will become data

① Numerical

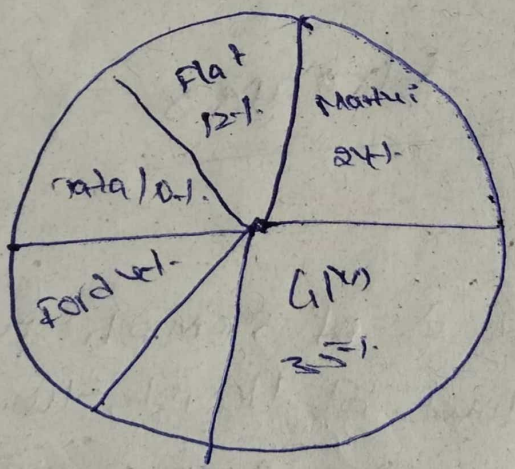
* Interpretation

Ex

x	x
2018-19	2019-20
₹ 40 crores	₹ 5 Crores

Standard Represent
1) Line graph
2) Pie chart
3) Bar chart
4) Tables

How to Read & understand pie chart



5 players of a team participated in a tournament and played four matches (1 to 4). The following table gives partial information about their individual scores and the total runs scored by the team in each match

Some values are missing in each of the given columns. The missing values are the runs scored by the two lowest scorers in that match. None of the two missing values is more than 10% of the total runs scored in that match.

What is the maximum possible runs scored by A in four matches.

Player	M1	M2	M3	M4
A	27	100	13	53
B	81	65	19	52
C	27	30	110	20
D	72	75	30	36
E	60	30	40	200
Total	270	300		

$\frac{10}{100} \times x$

Sol^n

$M1 + M2 + M3 + M4 = 400$

$M1 + M3 = 53$

$M3 = 53 - M1$

$M1 + M2 + 53 - M1 + M4 = 100$

27, 19

Total runs = 187

-r what is the maximum possible percentage contribution of C in the total runs scored in four matches

Sol — possible runs scored in 1,3 = 60, 78

possible contribution

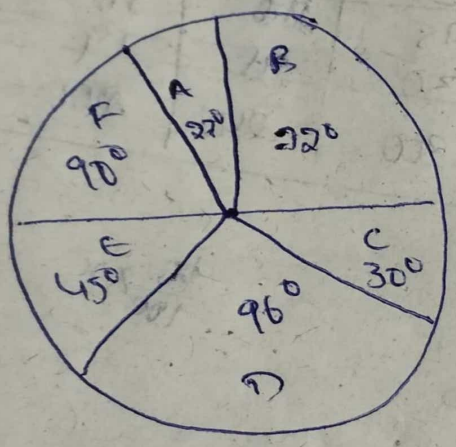
$$\frac{60+30+21+19}{1010} \times 100\%$$

$$= \frac{182}{1010} \times 100\%$$

$$= 18.6\%$$

Total
200
300
240
200
1010
180
24
182

Q)



Total no. of beatry creams sold by

B and F together is approximately what percent more less than of D+A

Total = 360°

B+F = 162° } 39

D+A = 123°

Then $\frac{39}{360} \times 100$

$B = 360 \times \frac{72}{162} = 160$ } 360

$F = 360 \times \frac{90}{162} = 200$

$D = 360 \times \frac{96}{123} = 281$ }

$A = 360 \times \frac{27}{123} = 79$

Total

21,600

B = 2,16,000 × 72/360 = 43200

A = 2,16,000 × 25/360 = 16,200

F = 2,16,000 × 90/360 = 54,000

D = 2,16,000 × 96/360 = 57600

B+F = 97,200 } 23,400 diff
D+A = 73,800 }

$\frac{23,400}{73,800} \times 100 = 31.7$ APP

= 32 more.

2) If 100/3% out of total creams sold by B were fash wash. 50/31.0 out of total sold by the same company were face cream and rest were other beauty creams then find the other beauty cream sold by B.

100/3% = 72,000

50/3% = 36,000

B sold creams = 72,000 − (36,000+12)3/100

= 24,000

3)

Year	Total	Ratio
2010	21,500	4:1
2011	24,500	7:3
2012	27,800	7:5
2013	30,200	13:7
2014	32,400	11:5
2015	35,200	6:5

→ The no. of male candidates who qualified in year 2011 are approximately what percent total no. of who qualified the exam in year 2010?

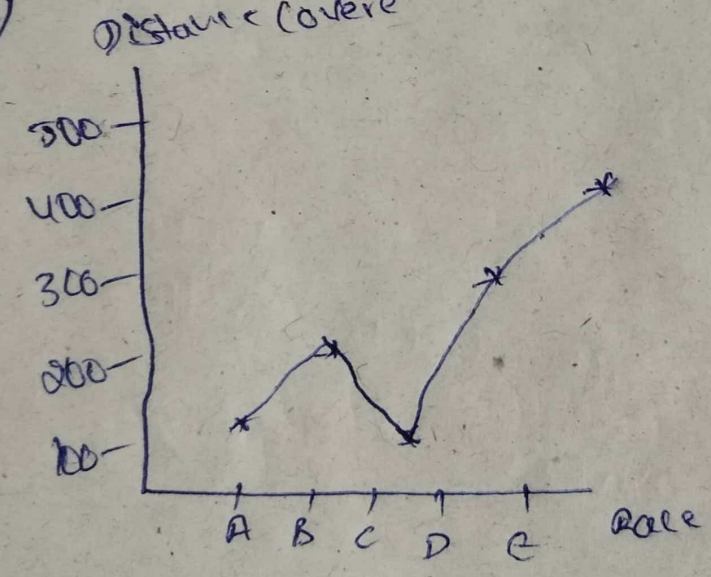
Sol^n

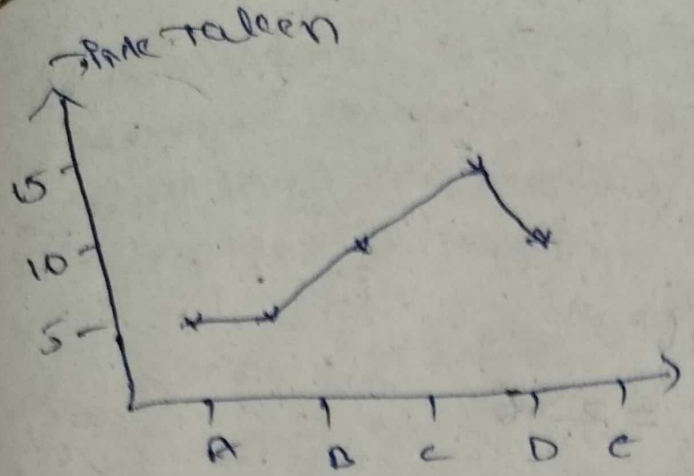
$$2011 \longrightarrow 24,500 \Rightarrow M = 24,500 \times \frac{7}{10}$$
$$= 17,150$$

$$2010 \longrightarrow 21,500$$

$$\text{Then } \% = \frac{17,150}{21,500} \times 100$$
$$= 80\%$$

4)





① In which speed Amit is minimum

$D = S \times T$

$100 = S \times 5$

$S = D/t = 100/5 = 20$

$A = 20,\ B = 40,\ C = 10,\ D = 8,\ E = 50$

At 'D' Amit is minimum

② What is the ratio of Amit in A & B

$A : B = 20 : 40$

$= 1 : 2$

③ If Amit is increased his speed by 10% then what is the time taken by Amit to finish the race D

Sol⁴ $D = 8 \times \frac{4}{\cancel{10}} \times \frac{\cancel{10}}{5} = 0.8 + 8$

$= 8.8$

$= 45\ sec$

④ what is the average speed of Amit in all the races together?