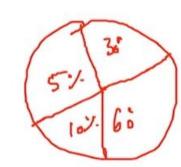
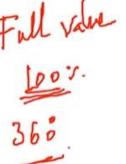


Types of Graph/Chart

7 je









- 2. Pie Chart
- 3. Line Graph
- 4. Bar Graph
- 5. Mixed Graphs



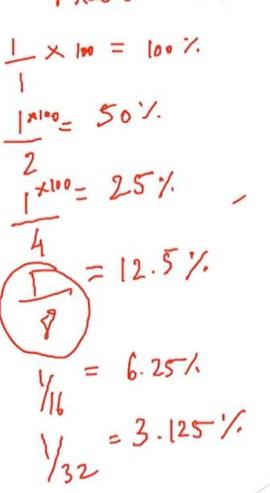


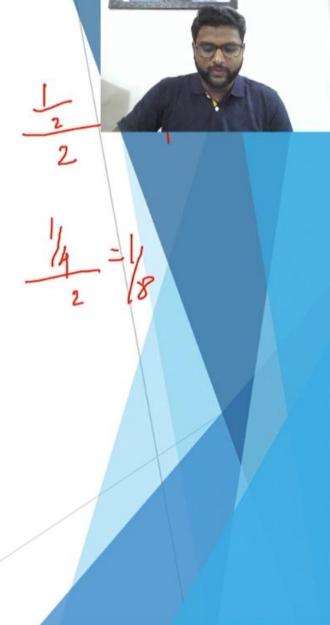




Important Topics of Arithmetic Fraction 5%.

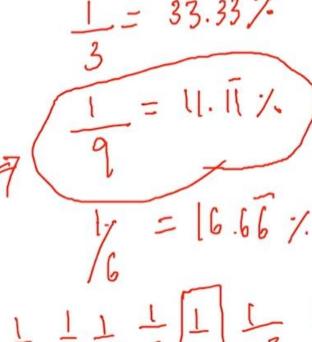
- 1. Sum or Difference
- 2. Percentages
- 3. Ratios
- 4. Averages





Important Topics of Arithmetic

- = 33.33%
- 1. Sum or Difference
- 2. Percentages
- 3. Ratios
- 4. Averages





$$\frac{1/3}{2} = \frac{1}{6}$$

Important Topics of Arithmetic $\sqrt{2857}$.

- 1. Sum or Difference
- 2. Percentages
- 3. Ratios
- 4. Averages 371 List



$$\frac{3}{7} = 42.8571 \%$$



Example: Sum or Difference

Question: What is the difference between all the product sold in 2019 and 2020

Product sold in 2019 = 15. 5

Product sold in 2020 = 14.5





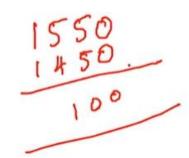


Example: Sum or Difference

Question: What is the difference between all the product sold in 2019 and 2020

Product sold in 2019 =

Product sold in 2020 =











Example: Percentage

Question: A sold in 2020 is what percent to C sold in the same year.

A sold in
$$2020 = 233.33\%$$

C sold in $2020 =$

Percentage =
$$\frac{A(2020)}{C(2020)} \times 100$$







Example: Ratios

Question: What is the ratio of A sold in 2019 to D sold in 2020?

A sold in 2019 =

D sold in 2020 =

Ratio =
$$\frac{A(2019)}{D(2020)}$$
 =







Example: Average

Question: What is the average of all the product sold in 2019?

Total product sold in 2019

Average =
$$\frac{15.5}{4}$$
 =





Example: Tabular Chart

The following table gives marks obtained by four students in 3 different section in a company placement process. The number in the brackets give the maximum marks in each section

	Sections (Maximum Marks)			
Students	Quantitative Aptitude(30)	Logical Reasoning (20)	Verbal(15)	
Phil	28	10	10	
Sam	25	18	5	
Simon	15	15	15	
Gloria	10	8	9	





Example: Tabular Chart

What are the average score obtained by all the students in logical reasoning?

Average =
$$\frac{10+18+15+8}{4}$$

	Students	Sections (Maximum Marks)			
		Quantitative Aptitude(30)	Logical Reasoning (20)	Verbal(15)	
	Phil	28	10	10	
	Sam	25	18	5	
	Simon	15	15	15	
	Gloria	10	8	9	





Example: Tabular Chart 171.1\



Total scores obtained by Phil is how much percent more or less than Gloria?

TS of Phil =
$$\frac{1}{1}$$

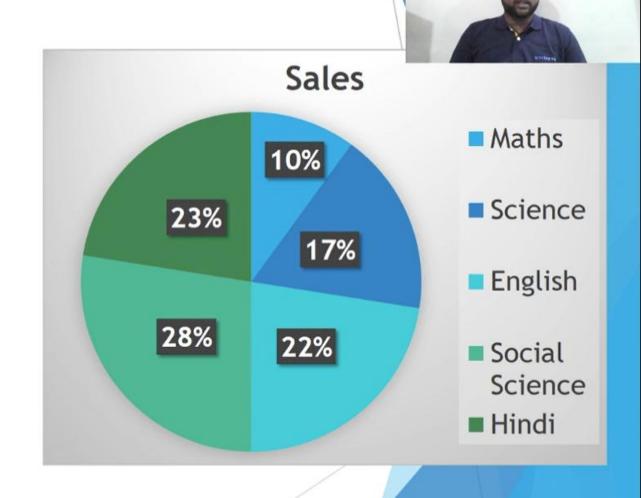
TS of Gloria = $\frac{1}{2}$
Difference = $\frac{1}{2}$
Percentage = $\frac{1}{2}$

	Students	Sections (Maximum Marks)			
		Quantitative Aptitude(30)	Logical Reasoning (20)	Verbal(15)	
	Phil	28	10	10	
	Sam	25	18	5	
	Simon	15	15	15	
	Gloria	10	8	9	



Example: Pie Chart

The following flow chart shows the percentage scored by a student in different subjects in a exam.





What is the central angle for the subject Social

Science?

A. 90.5

B. 100.8

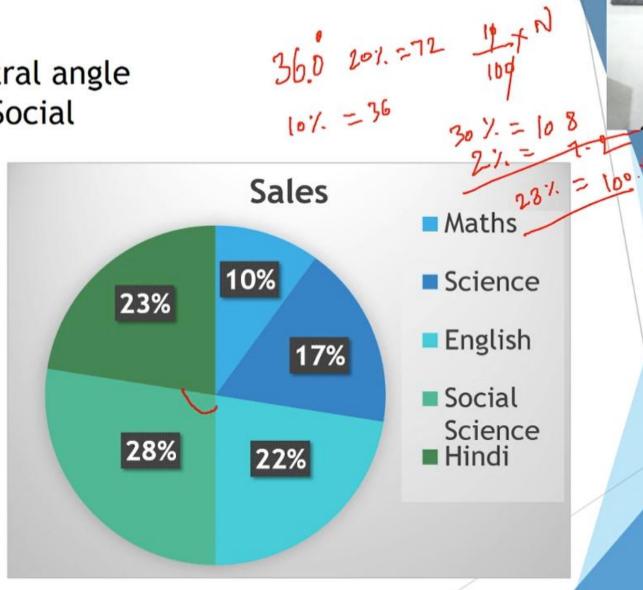
C. 105.2

D. 120.5

100% = 360

1% = 3.6

 $28\% = 3.6 \times 28$



Example: Pie Chart

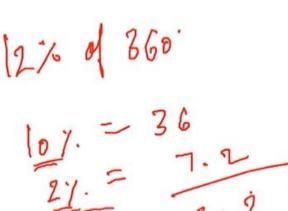
If the total score was 360 then, what is the difference between the scores obtained in English and Maths?

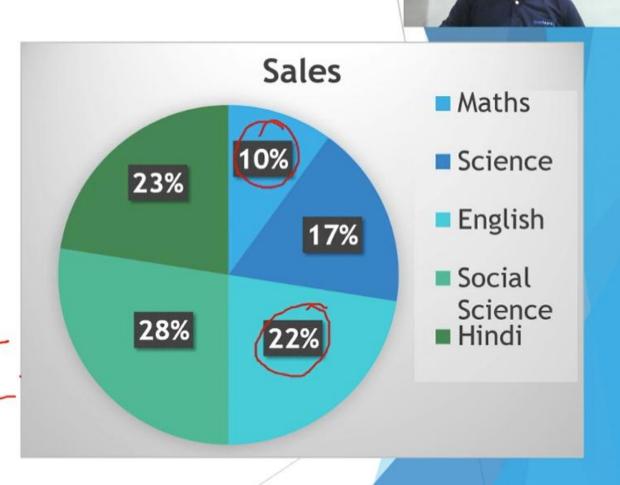
A. 87.5

B. 68.8

C. 43.2

D. 20.5





Example: Pie Chart

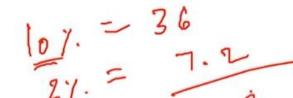
If the total score was 360 then, what is the difference between the scores obtained in English and Maths?

A. 87.5

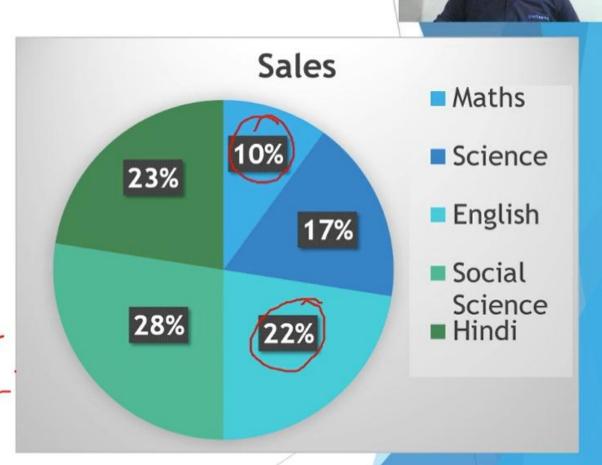
B. 68.8

C. 43.2

D. 20.5

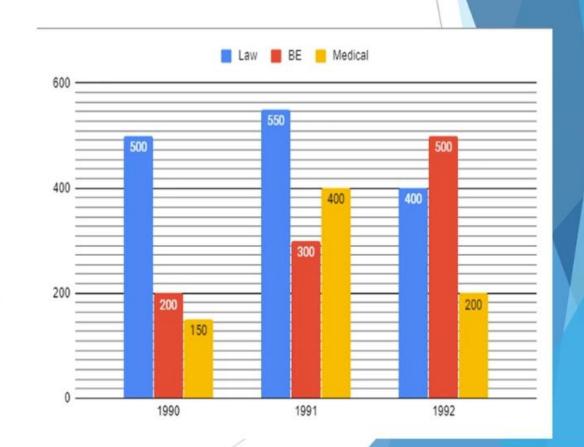


22% - 10% = 12% 12% of 360 = 12%



Example: Bar Graph

Given here is a multiple bar diagram depicting the change in the student strength in different courses. Study the diagram and answer the question.





Example: Bar Graph

What is the ratio of students in BE in the year 1990 to 1991?

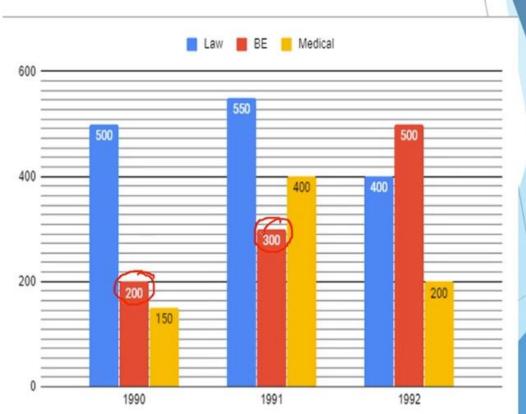
A. 3:2

B. 2:3

C. 5:4

D. None of these

Ratio =
$$\frac{200}{300}$$







Example: Bar Graph

Calculate the percentage of students in Law out of the total students in the year 1990?

A. 103

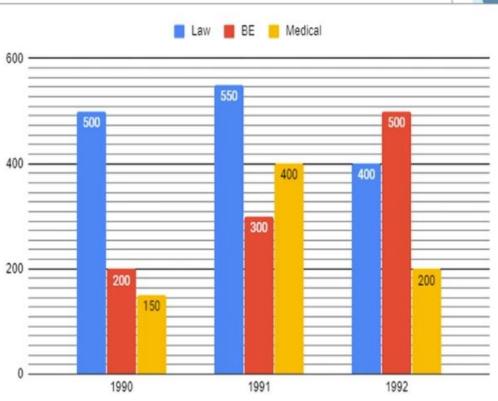
B. 78

C. 58.8

D. 23.4

Percentage = $\frac{500}{850}$





Example: Line Chart

On the basis of the figure answer the following question. The number of girls and boys are given in 5 different exam Centre. Study this graph properly and answer the questions.





Example: Line Chart

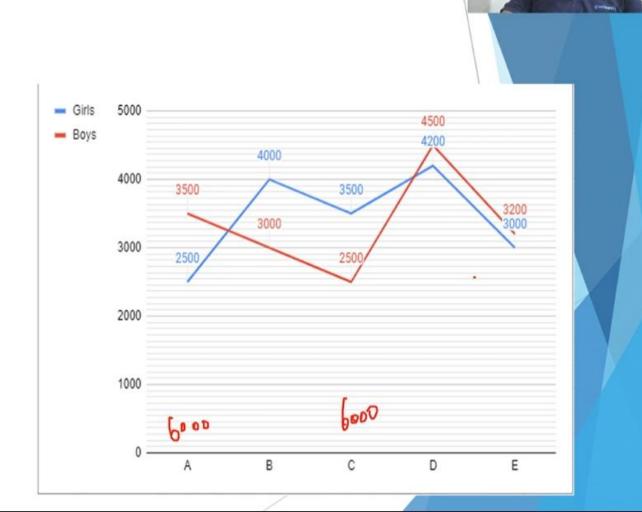
Which exam center has the lowest number of candidates?

A. B

B. C&A

C. D

D. E & A



What percentage will be the number of girls in A out of the total number of girls in all the coaching center?

A. 14.5

B. 17.4

C. 22.5

D. 24.4

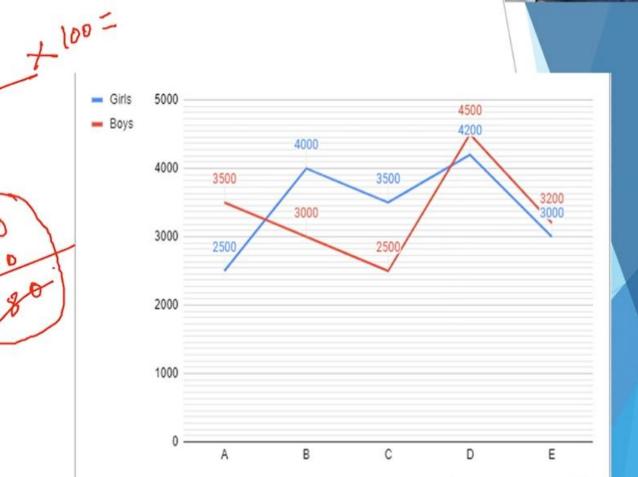
Total number of girls = 86

Percentage =

Number of girls in A

Total number of girls 2500

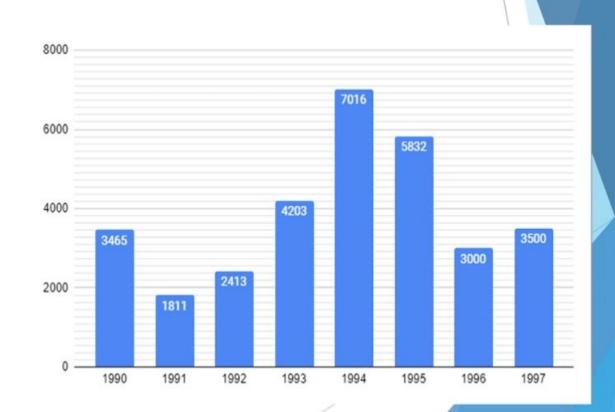
$$=\frac{2500}{17200}\times100$$



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Power Ahead

Read the graph and answer the questions. Given the number of mobile phone user in different year.





In which year did the number of users register the highest Percentage over its preceding year?

- A. 1997
- B. 1994
- C. 1993
- D. 1992

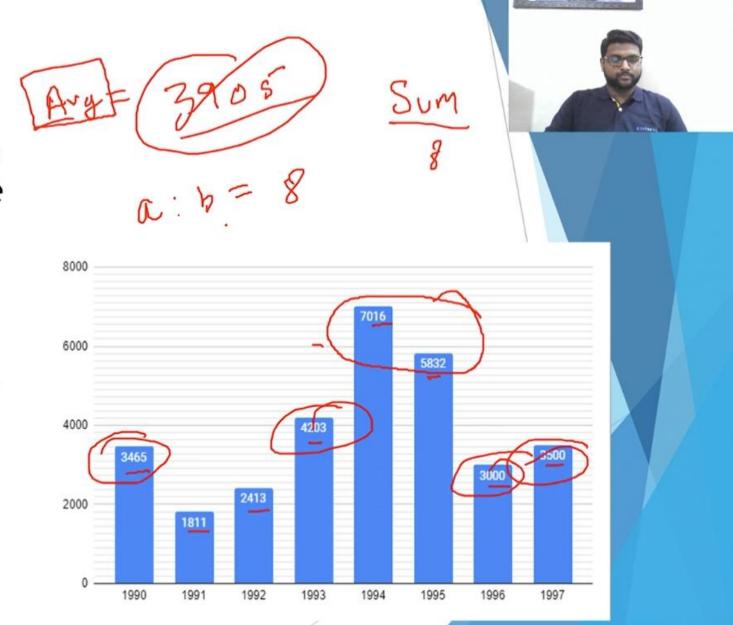
Percentage change =

Final -Initial Initial In



What is the ratio of the years which have above average users to those which have below average users.

Average =
$$\frac{31240}{8}$$



What is the ratio of the years which have above average users to those which have below average users.

A. 8:3

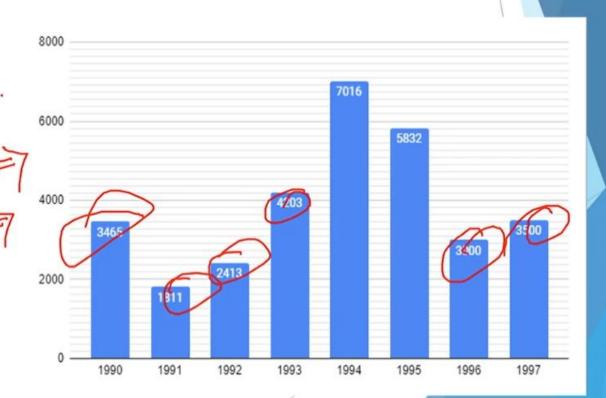
B. 3:8

C. 3:5

D. 5:3

Average =
$$\frac{31240}{8}$$

Above Arg: Hotow Arg:



The increase in the number of users in 1997 was what percent of the users in 1996

A. 10%

B. 16.66%

C. 20%

D. 25%

