IBPS | SBI | RRB | RBI EXAM 2023

SUNDAY SPECIAL

MAHA MARATHON

DATA INTERPRETATION

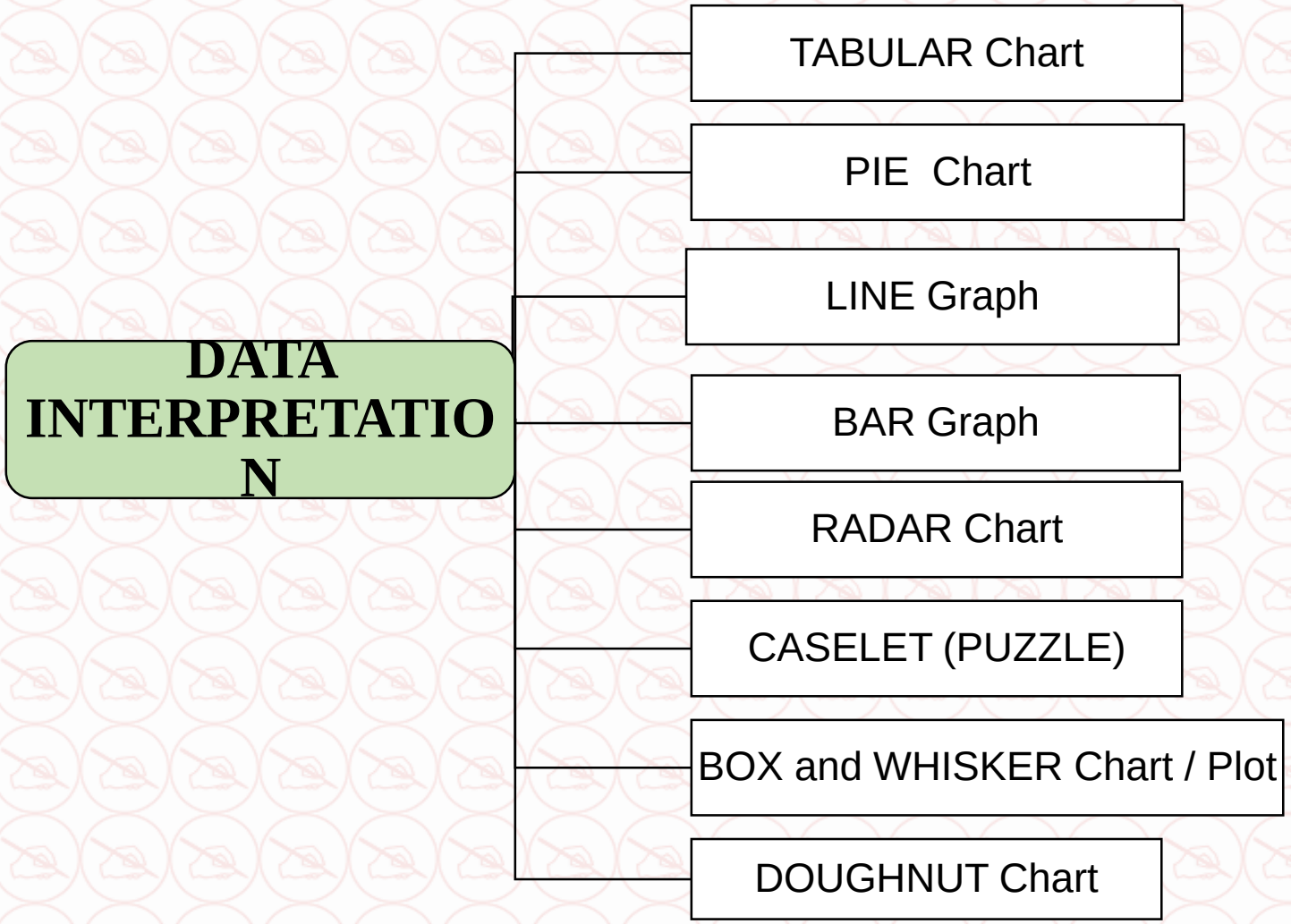
12th FEB 2023 | 11:00 AM TO 01:00 PM

BY RAVI MAHENDRAS

DEFINITION OF DI

Definition:- It is the systematic and scientific presentation of quantitative data in such a form as to explain the problem under consideration.

TYPES


DATA INTERPRETATION
TABULAR Chart
PIE Chart
LINE Graph
BAR Graph
RADAR Chart
CASELET (PUZZLE)
BOX and WHISKER Chart / Plot
DOUGHNUT Chart

IMPORTANT TOPICS FOR DI

Usually the questions of DI are based on following topics ---

- Simplification
- Percentage
- Ratio & Proportion
- Average
- Profit & loss
- Income & Expenditure
- Profit & loss etc.

INSTRUCTION TO SOLVE DATA INTERPRETATION

- Read the question carefully.
- Analyze the Data Carefully.
- Don’t worry about too much data.
- Avoid Unnecessary Calculations.
- Pay close attention to the units used.
- Learn Approximate the values.

Format of Tabular Chart

Main Heading → Number of medals won by five different countries in six different years

Sub Heading →

Data

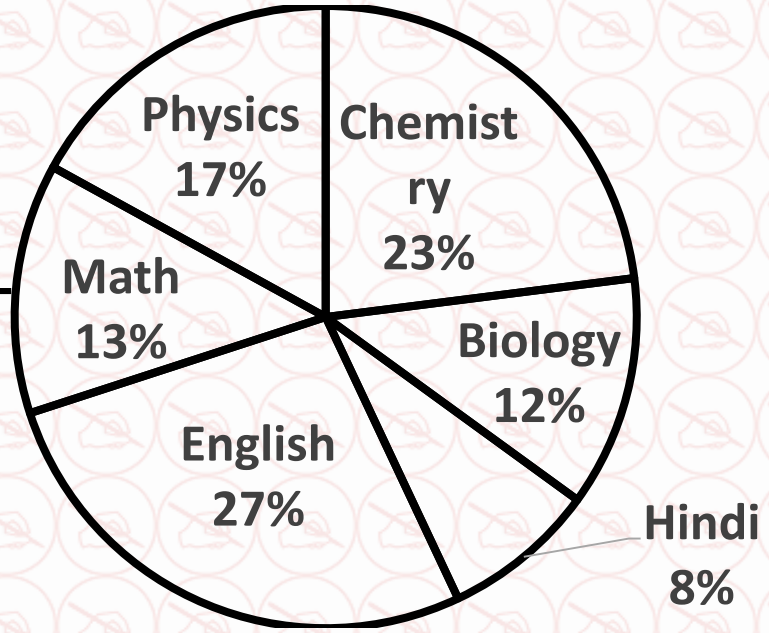
YEAR ↓	COUNTRY →				
	A	B	C	D	E
2005	120	45	135	65	64
2006	160	60	70	46	28
2007	142	102	46	43	110
2008	172	28	108	39	58
2009	90	64	56	25	64
2010	64	36	85	19	83

Format of Pie-Chart

Main Heading ← Percentagewise distribution of teachers who teach six different subjects

Sub Heading ← Total Number of Teachers = 1800
Percentage of Teachers

Data ←

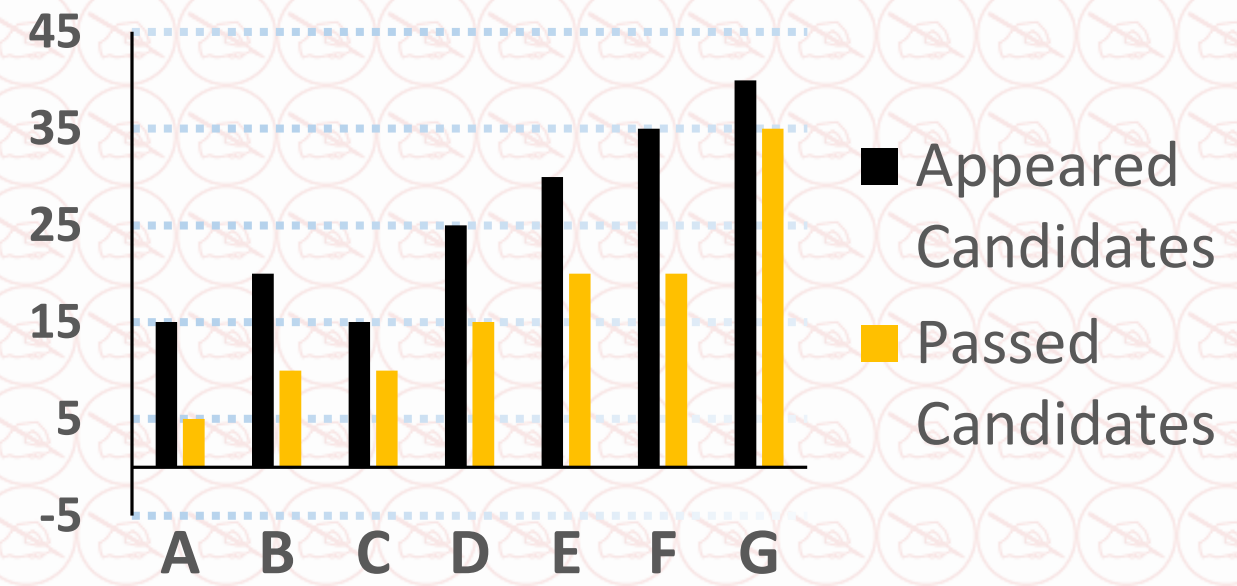


Format of Bar-Graph

Main Heading → **Number of Appeared candidates and passed candidates (in hundreds) in a test from seven different institutes**

Sub Heading → **Representation of Appeared and Passed Candidates**

Data →



Format of Line-Graph

Main Heading → Percent Profit Earned by two companies over the years

Sub Heading → Representation of Company A and Company B

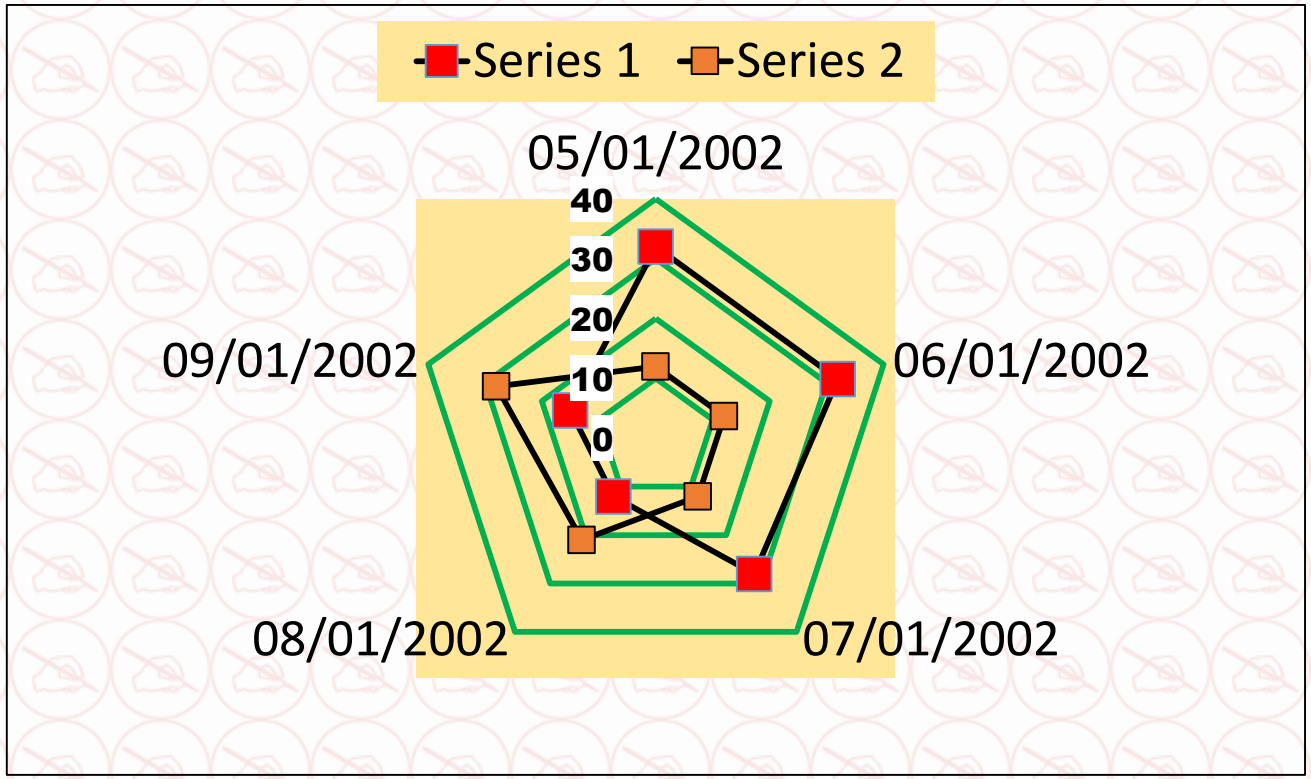
Data →

Format of Radar- Graph

Main Heading → Monthly data of two series 1 and 2 is given in the following radar Graph

Sub Heading → Representation of Series 1 and 2

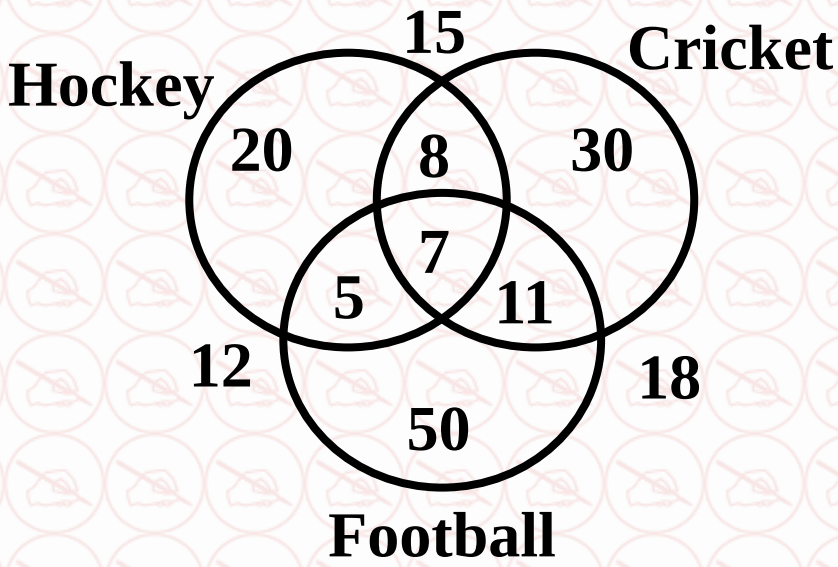
Data →



Format of Caselet (Venn – diagram)

Main information ⟵ 20 boys play only hockey, 30 boys play only Cricket and 50 boys play only Football.
12 boys play hockey and football,
15 boys play cricket and hockey.
18 boys play cricket and football.
7 boys play all three games.

Data ⟵



Format of Caselet (Table based)

Main information →

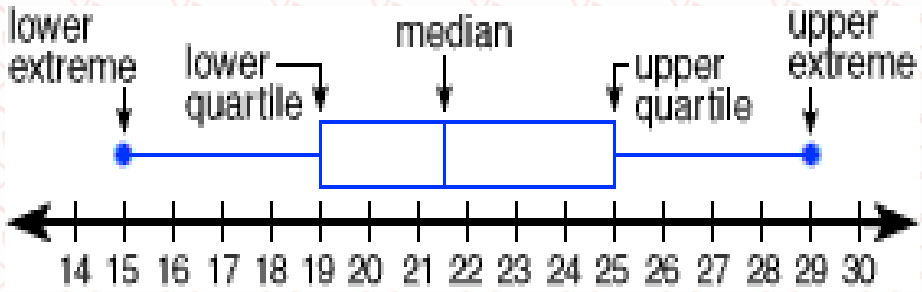
A company produces four different products, viz: Mobile phones, Televisions, Refrigerator and Computers. Each of the products has two categories, viz ; Category-A and Category-B. The total number of all the products is 600. 20 percent of the total number of products is computers and one-third of the total number of products is Television. 40 Percent of the remaining products are Refrigerators. 50 percent of the number of computers as well as the number of computers as well as the number Mobile phones is of category-A. 25 percent of the number of televisions is of category-B one-fourth of the number of Refrigerators is of category-A.

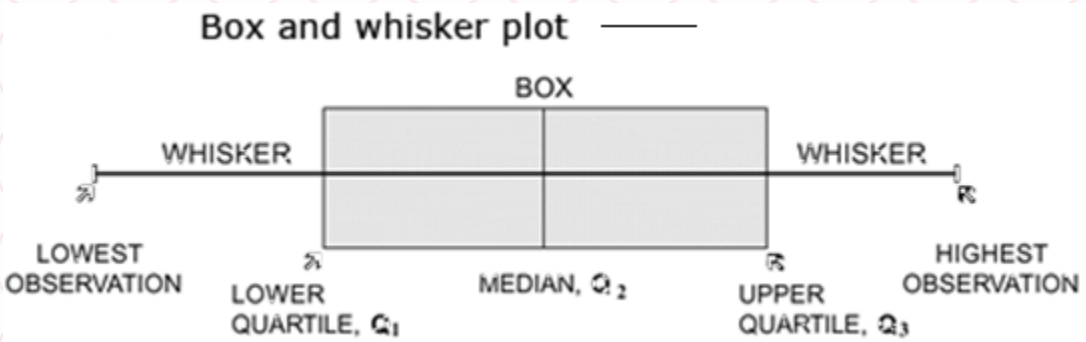
Data →

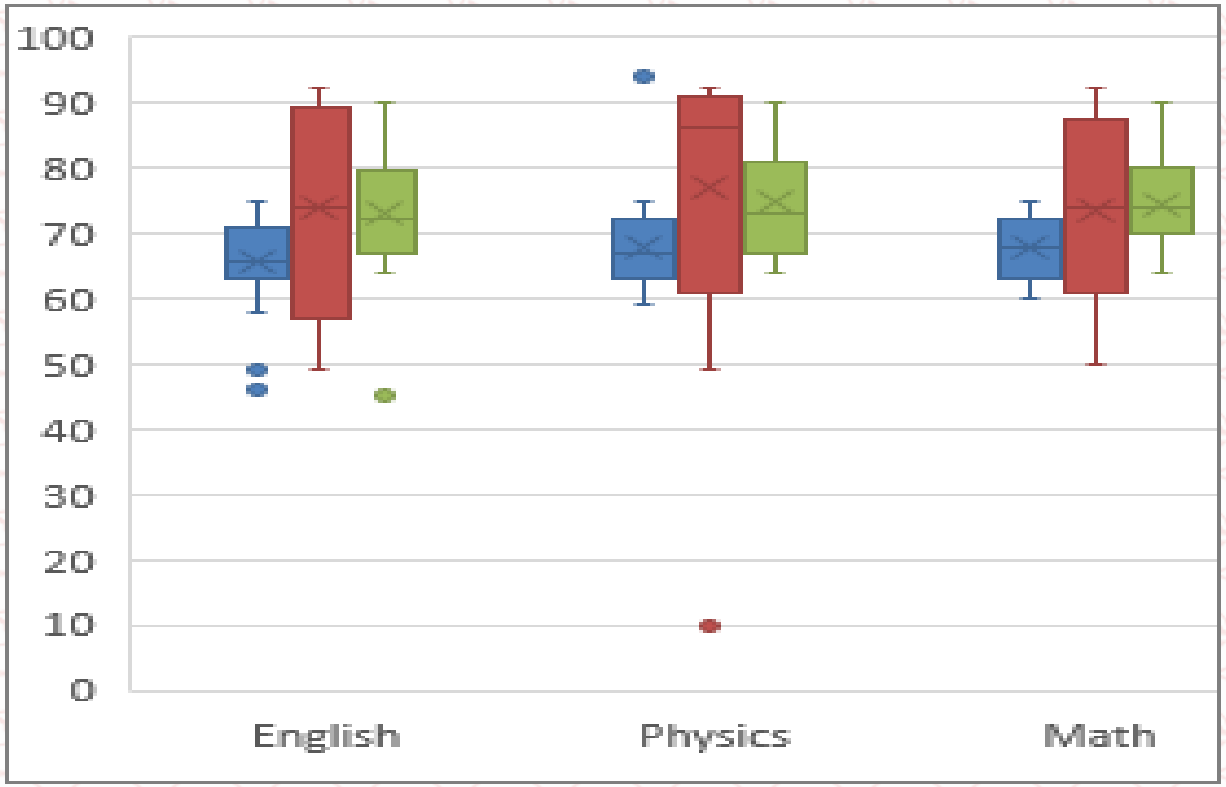
	Category A	Category B	Total
Mobile Phone	84	84	168
T.V.	150	50	200
Refrig.	28	84	112
Comp.	60	60	120

Format of Box and Whisker Plot (Stock Chart)

A box and whisker plot is a way of summarizing a set of data measured on an interval scale . It is often used in explanatory data analysis . This type of graph is used to show the shape of the distribution, its central value, and its variability .

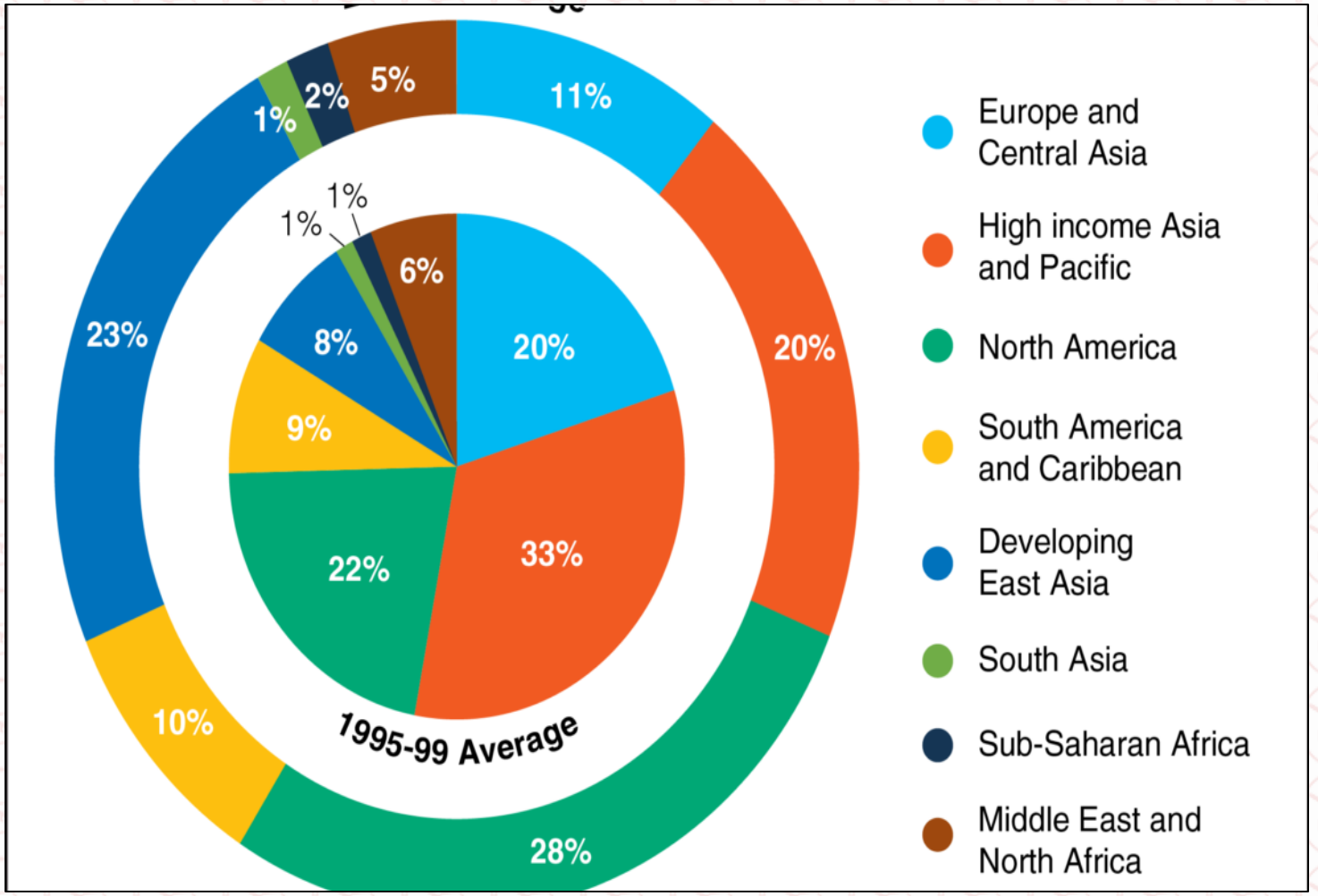






Format of Doughnut Chart

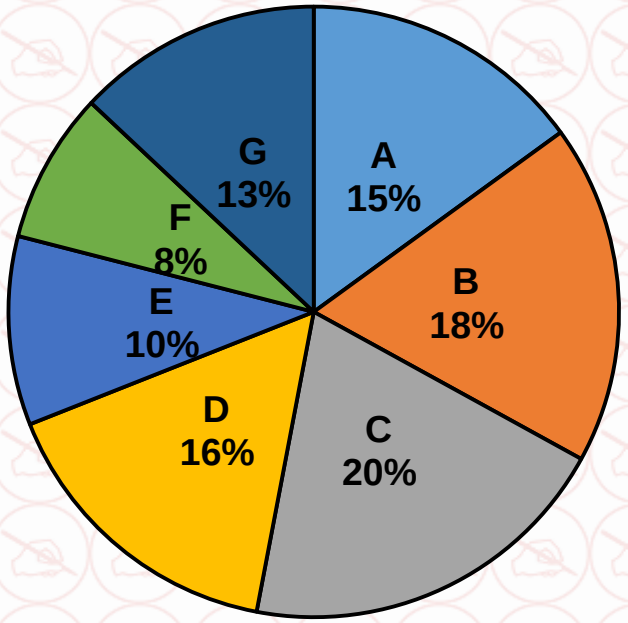
Doughnut Chart (also known as **Donut chart**) is a variation on a **Pie chart** except it has a round hole in the center which makes it look like a **donut** , hence the name . This empty space can be used to display additional data .



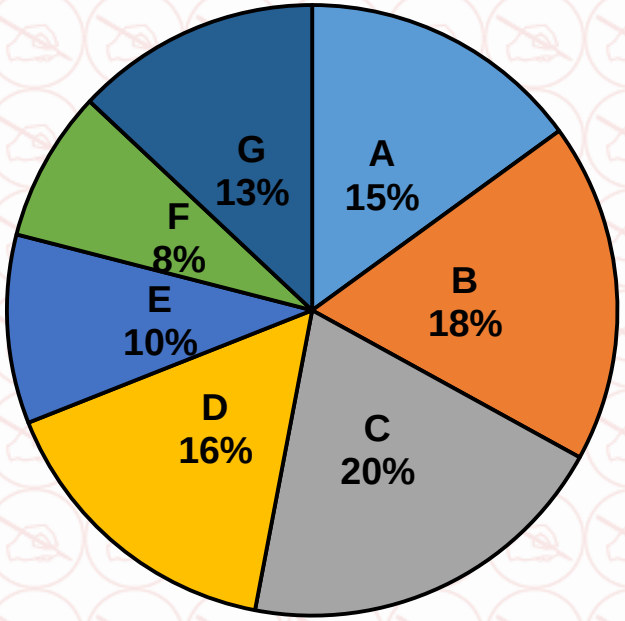
SOME QUESTIONS

Based on Pie-Chart

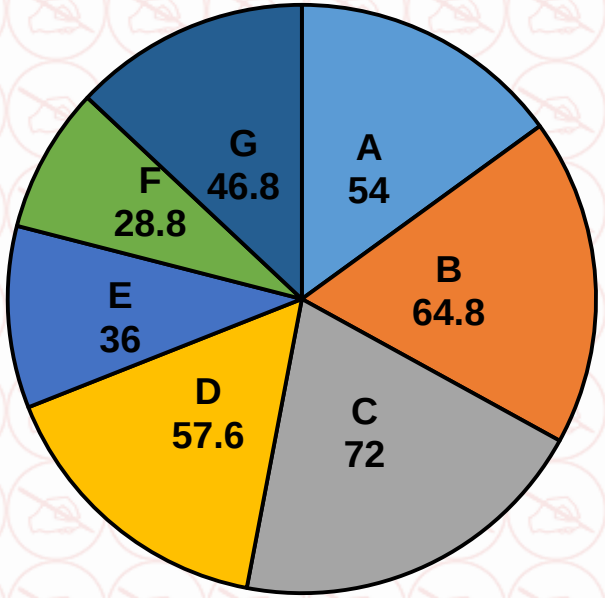
Total number = 63000



Total number = 63000



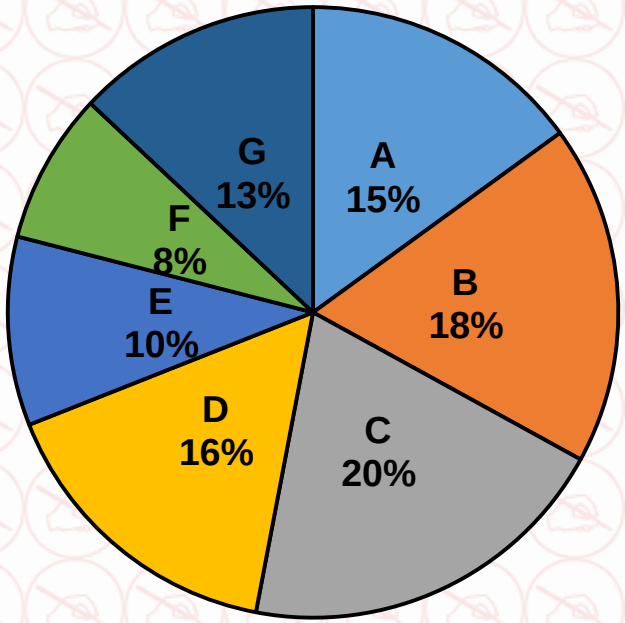
Total number = 63000
(Data in Degree)



Study the following graph carefully and answer the given questions –
In the following graph show the distribution of total number of sold Inspirational and Horror novels and Distribution of Inspirational novels by 7 stores .

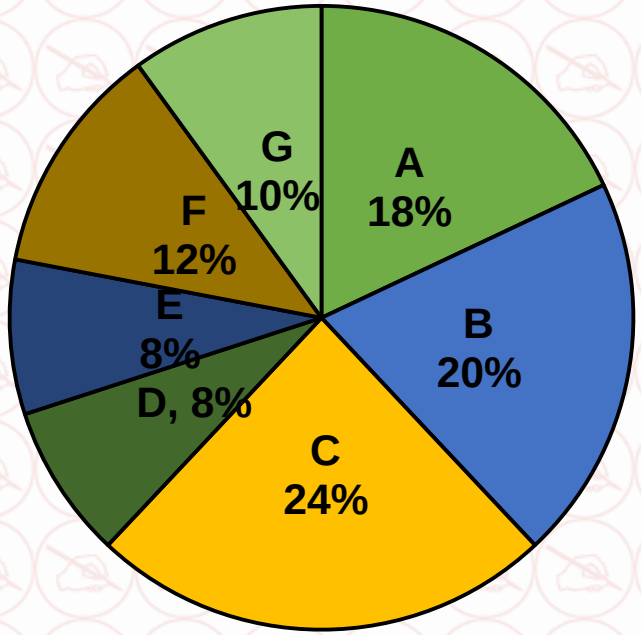
Distribution of the total number of novels (Inspirational and Horror) sold by 7 stores

Total number = 63000



Distribution of the total number of Inspirational novels sold by 7 stores

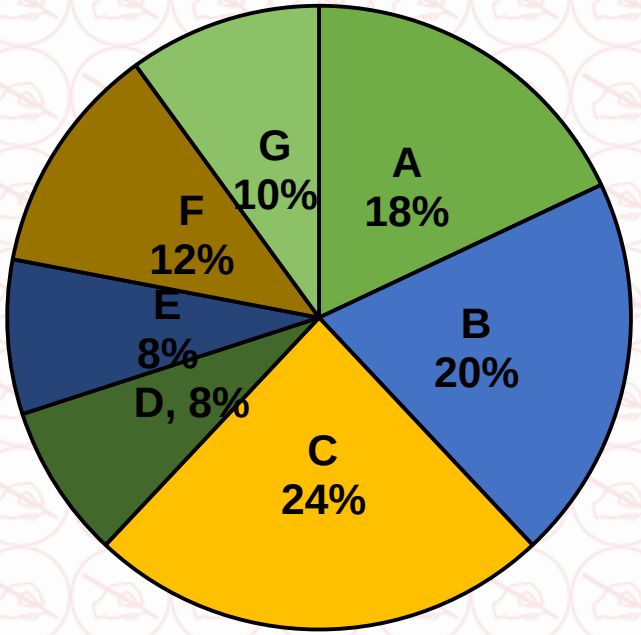
Total number = 36000



Find the average no. of Inspirational novels sold at store B, C, D and E ?

Distribution of the total number of Inspirational novels sold by 7 stores

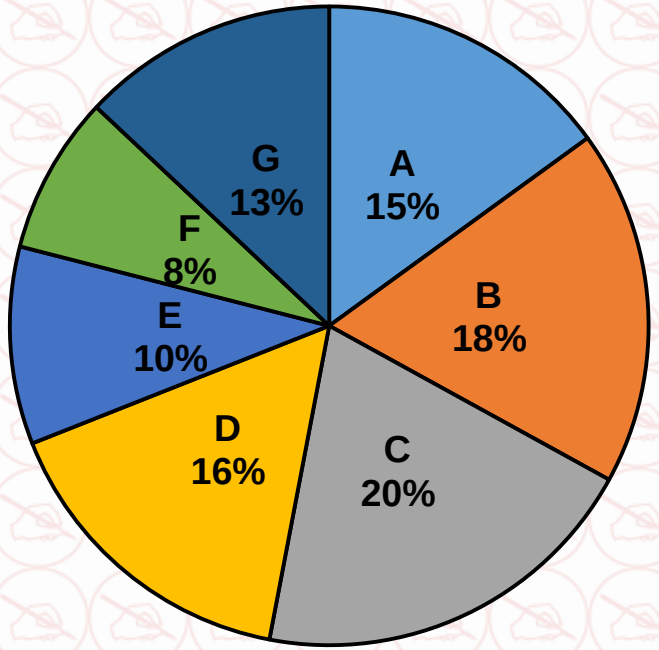
Total number = 36000



What is the ratio of the number of novels (Inspirational and Horror) sold by Store E to the total number of novels (Inspirational and Horror) sold by stores C?

Distribution of the total number of novels (Inspirational and Horror) sold by 7 stores

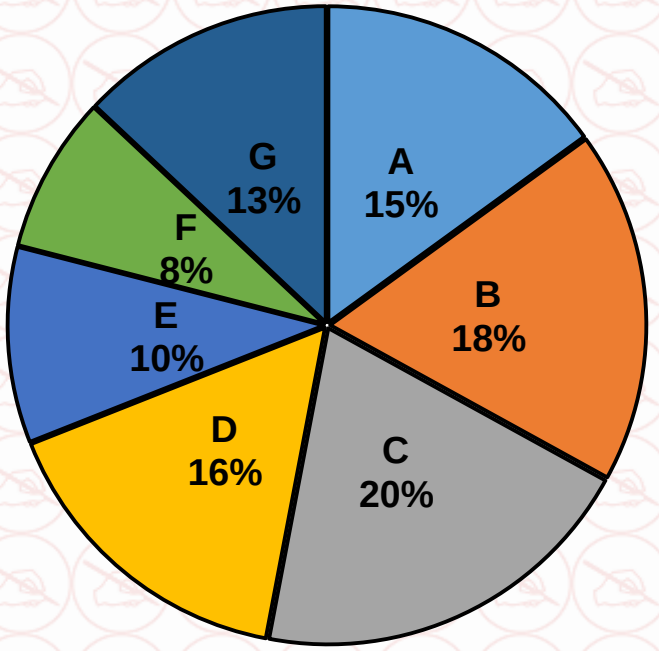
Total number Both = 63000



What is the ratio of the number of novels (Inspirational and Horror) sold by Store E to the total number of novels (Inspirational and Horror) sold by stores C and F together ?

Distribution of the total number of novels (Inspirational and Horror) sold by 7 stores

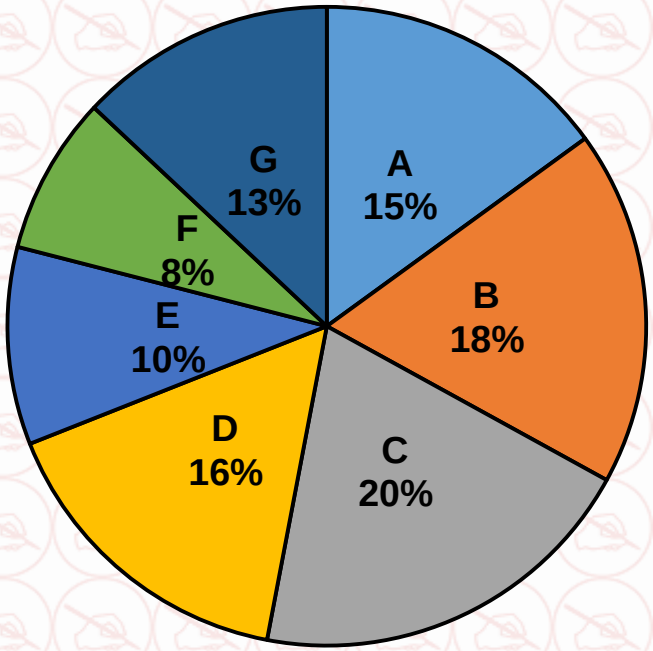
Total number Both = 63000



The number of novels (Inspirational and Horror) sold by Store A is what percent of the number of novels (Inspirational and Horror) sold by Store D?

Distribution of the total number of novels (Inspirational and Horror) sold by 7 stores

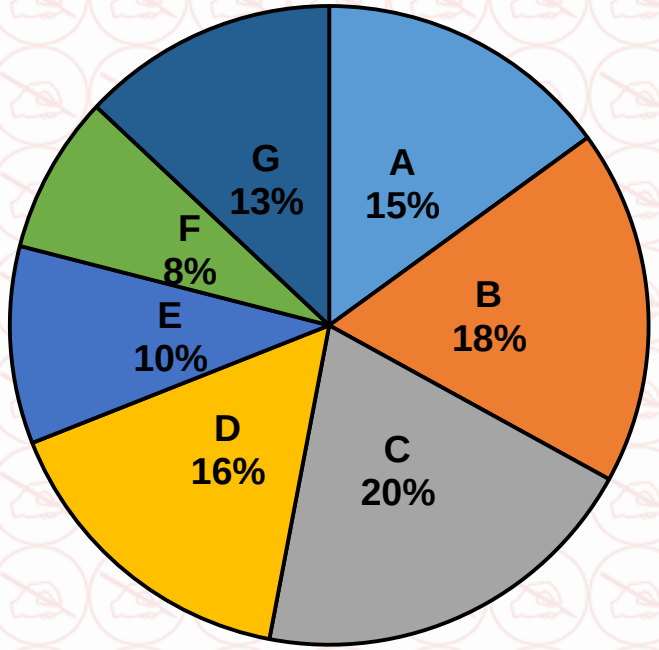
Total number Both = 63000



What is the central angle corresponding to the number of novels (Inspirational and Horror) sold by store B ?

Distribution of the total number of novels (Inspirational and Horror) sold by 7 stores

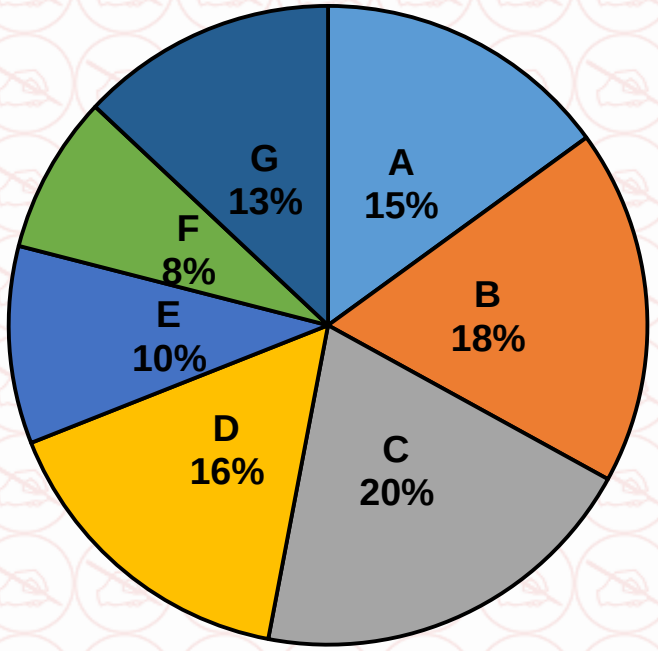
Total number Both = 63000



What is the ratio of the number of novels (Inspirational and Horror) sold by Store E to the total number of Horror novels sold by stores C?

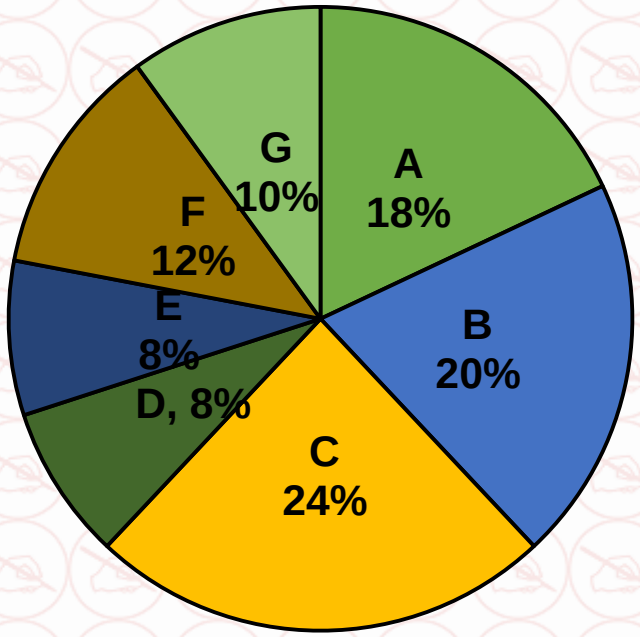
Distribution of the total number of novels (Inspirational and Horror) sold by 7 stores

Total number Both = 63000



Distribution of the total number of Inspirational novels sold by 7 stores

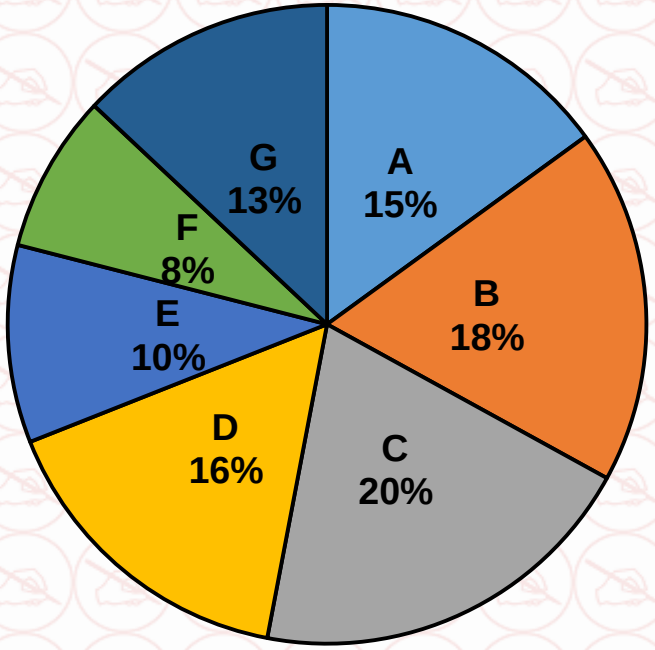
Total number = 36000



What is the ratio of the number of novels (Inspirational and Horror) sold by Store E to the total number of Horror novels sold by stores C and F together ?

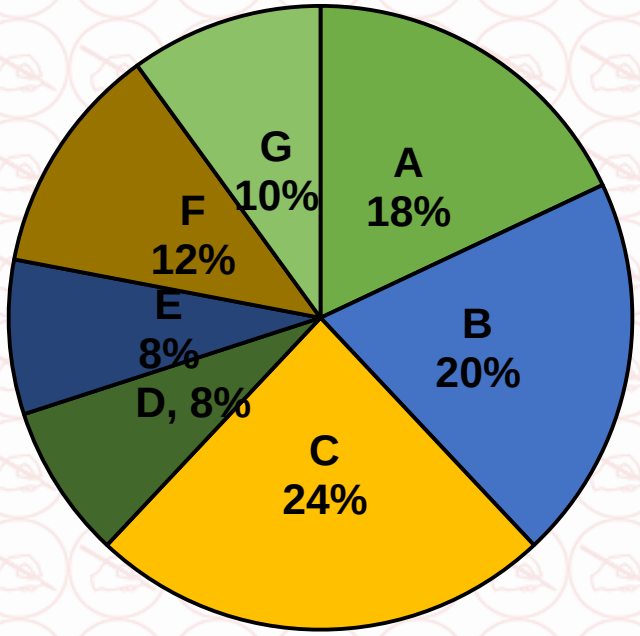
Distribution of the total number of novels (Inspirational and Horror) sold by 7 stores

Total number Both = 63000



Distribution of the total number of Inspirational novels sold by 7 stores

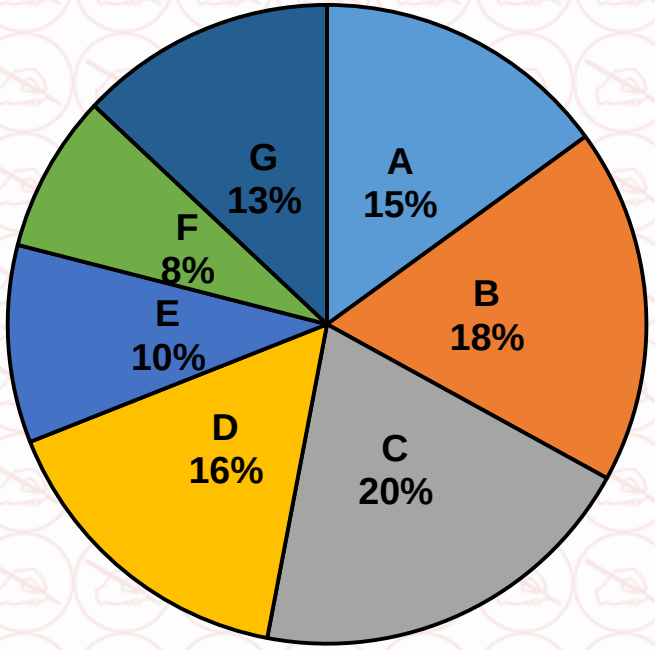
Total number = 36000



The number of novels (Inspirational and Horror) sold by store F is what percent less than the total number of Inspirational novels sold by stores B and G together ? (Approx)

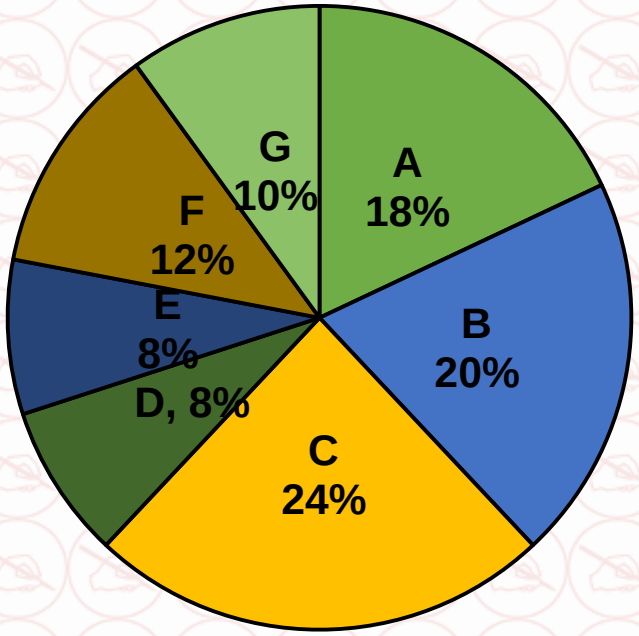
Distribution of the total number of novels (Inspirational and Horror) sold by 7 stores

Total number Both = 63000



Distribution of the total number of Inspirational novels sold by 7 stores

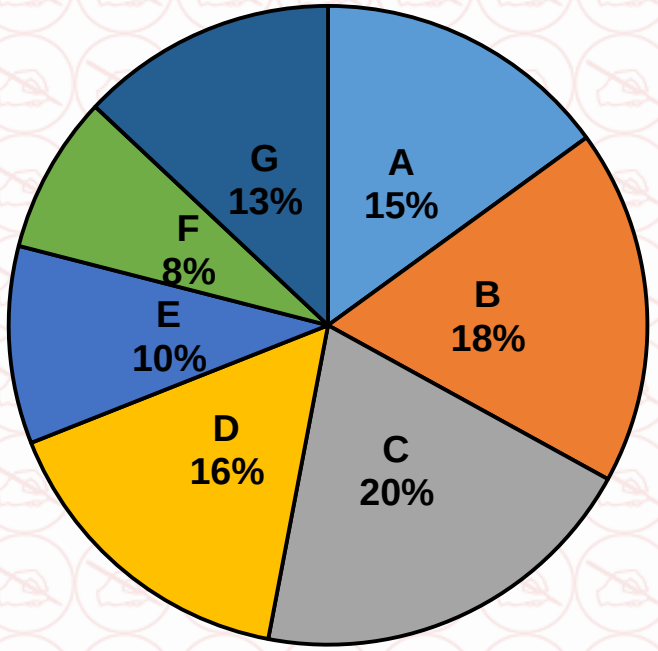
Total number = 36000



The number of Horror novels sold by stores D and G is how much percent the total number of Inspirational novels sold by stores D and G together ?(Approx)

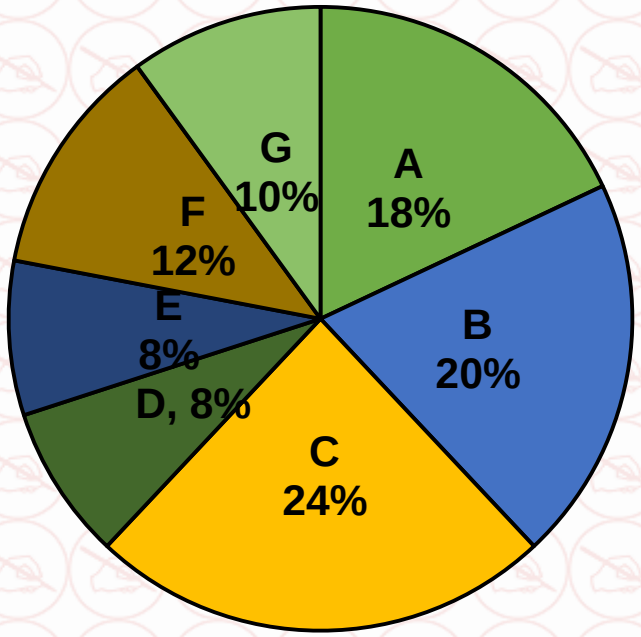
Distribution of the total number of novels (Inspirational and Horror) sold by 7 stores

Total number Both = 63000



Distribution of the total number of Inspirational novels sold by 7 stores

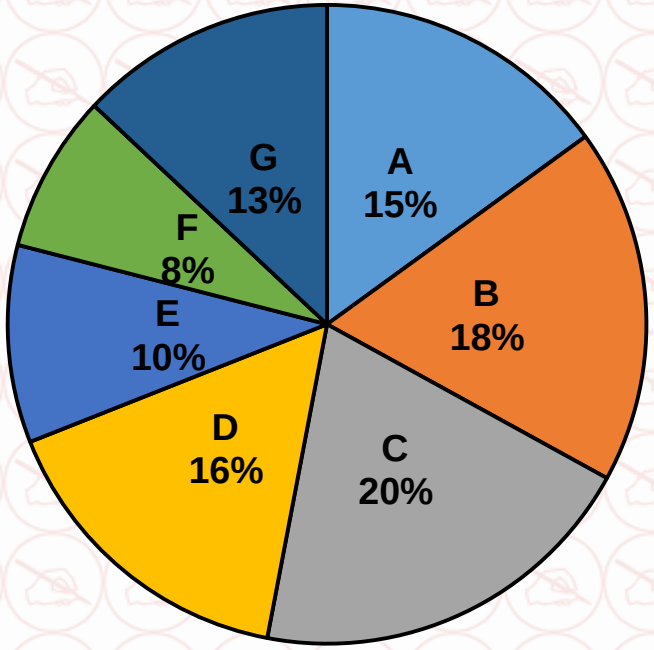
Total number = 36000

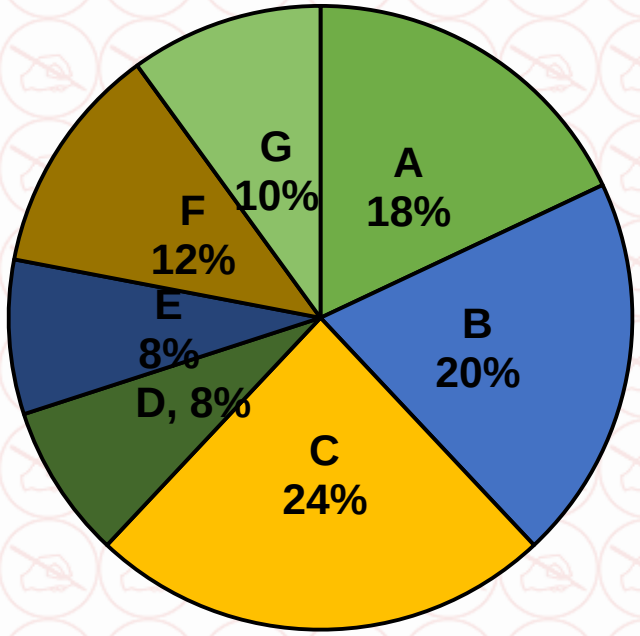


Find the total number of Horror novels sold by stores B,E and G together?

Distribution of the total number of novels (Inspirational and Horror) sold by 7 stores

Total number Both = 63000



Distribution of the total number of Inspirational novels sold by 7 stores

Total number = 36000