PUSH HARDER THAN YESTERDAY IF YOU WANT A DIFFERENT TOMORROW

Fraction Chart

$\frac{1}{2}$ = 50%	$\frac{1}{8}$ = 12.50% or $12\frac{1}{2}$%
$\frac{1}{3}$ = 33.33% or $33\frac{1}{3}$%	$\frac{1}{9}$ = 11.11% or $11\frac{1}{9}$%
$\frac{1}{4}$ = 25%	$\frac{1}{11}$ = 9.09% or $9\frac{1}{11}$%
$\frac{1}{5}$ = 20%	$\frac{1}{12}$ = 8.33% or $8\frac{1}{3}$%
$\frac{1}{6}$ = $16\frac{2}{3}$%	$\frac{1}{14}$ = 7.14% or $7\frac{1}{7}$%
$\frac{1}{7}$ = 14.28% or $14\frac{2}{7}$%	$\frac{1}{15}$ = 6.66% or $6\frac{2}{3}$%

NOTE :

$$\frac{1}{3} = 33\frac{1}{3}\% \quad \Rightarrow \quad \frac{2}{3} = 66\frac{2}{3}\%$$

$$\frac{1}{8} = 12.5\% \quad \Rightarrow \quad \frac{3}{8} = 37.5\%$$

1. Percentage $\underline{\text{Change}}$ $= \dfrac{\text{Final} - \text{Initial}}{\text{Initial}} \times 100$

2. Quantity I is how much percent of Quantity II

$$\dfrac{\text{Quantity I}}{\text{Quantity II}} \times 100$$

3. Quantity I is how much percent more than Quantity II
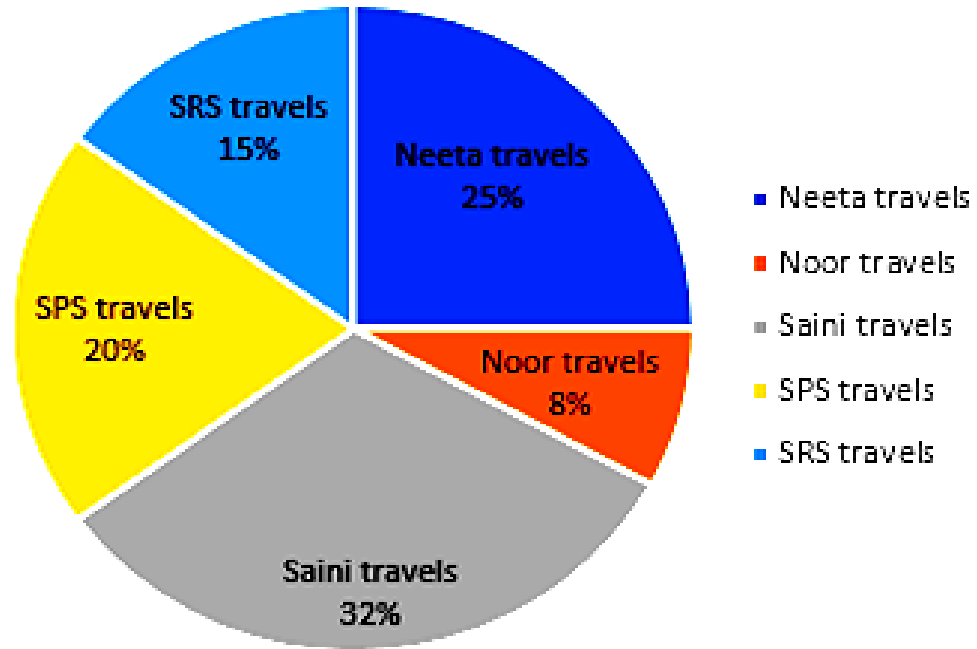
$$\dfrac{\text{Quantity I} - \text{Quantity II}}{\text{Quantity II}} \times 100$$

4. Quantity I is how much percent less than Quantity II

$$\dfrac{\text{Quantity II} - \text{Quantity I}}{\text{Quantity II}} \times 100$$

SET01

Total no. of passengers = 2500

- Neeta travels — 25%
- Noor travels — 8%
- Saini travels — 32%
- SPS travels — 20%
- SRS travels — 15%

Q1. Find the average number of passengers traveling from SPS travels, SRS travels and Neeta travels
(a) 750   (b) 445
(c) 500   (d) 520
(e) 525

Q2. If male and female traveling from Neeta travels and SRS travels are in ratio 2 : 3 and 3 : 2 respectively than find the female passengers travelling from SRS travel and Neeta travels together.
(a) 525   (b) 384
(c) 465   (d) 625   (e) 685

Total no. of passengers = 2500

Neeta travels
25%

Noor travels
8%

Saini travels
32%

SPS travels
20%

SRS travels
15%

- Neeta travels
- Noor travels
- Saini travels
- SPS travels
- SRS travels

Q3. Find the central angle made by Saini travels in the given pie chart
(a) 100.8°   (b) 126°
(c) 86.4°   (d) 115.2°   (e) None of these

Q4. Passengers travelling from Neeta travels are how much percent more than average no. of passengers travelling from SPS travels and Noor travels together?

(a) $82\frac{1}{4}\%$

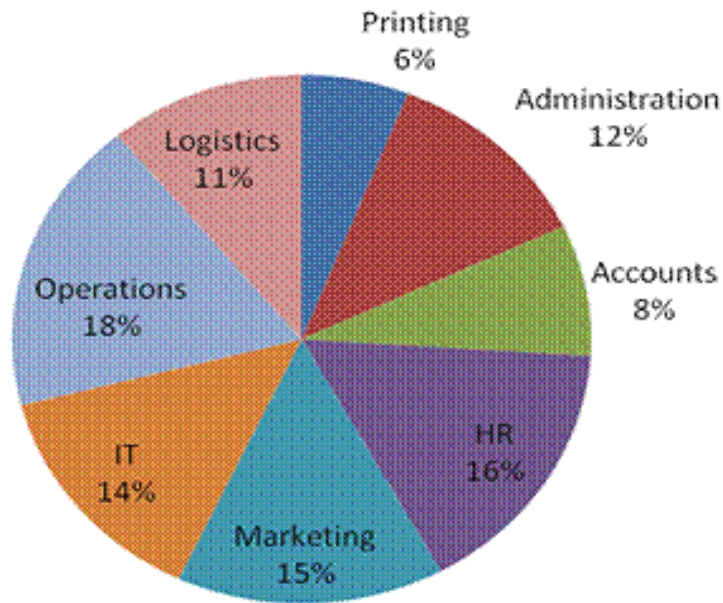(b) $78\frac{4}{7}\%$

(c) $80\frac{1}{2}\%$

(d) $73\frac{3}{8}\%$

Total no. of passengers = 2500

- Neeta travels — 25%
- Noor travels — 8%
- Saini travels — 32%
- SPS travels — 20%
- SRS travels — 15%
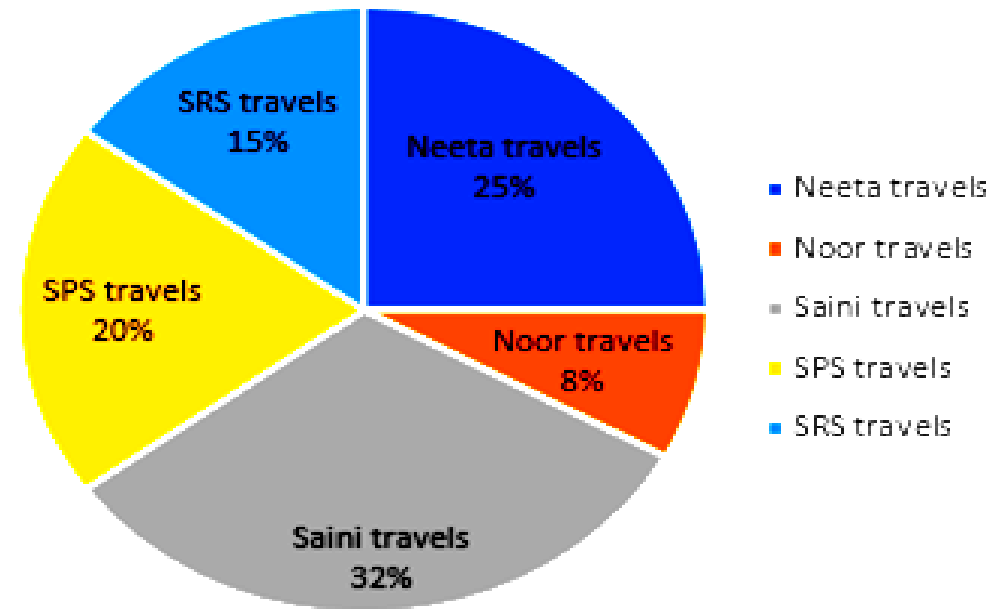
SET 02

Directions(1-5): Study the following information carefully and answer the given questions.

Total Number of Employees = 2500

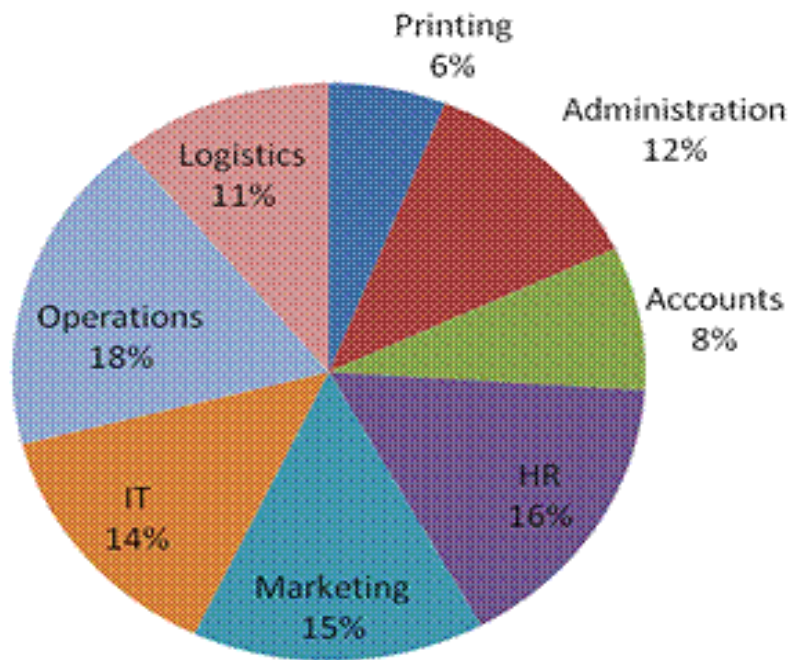PERCENTAGE OF EMPLOYEES IN VARIOUS DEPARTMENTS OF AN ORGANISATION AND THE MALE-FEMALE RATIO
Total Number of Employees = 2500

Department	Male : Female
Administration	7 : 5
Accounts	2 : 3
HR	5 : 3
Marketing	7 : 8
IT	3 : 4
Operations	5 : 4
Logistics	6 : 5
Printing	2 : 1

1.What is the ratio between male employees in Administration and Printing Departments respectively ?
a)7:4   b)4:7   c)3:4   d)7:3   e)5:3

Total Number of Employees = 2500

Printing 6%
Administration 12%
Logistics 11%
Accounts 8%
Operations 18%
HR 16%
IT 14%
Marketing 15%

Department	Male : Female
Administration	7 : 5
Accounts	2 : 3
HR	5 : 3
Marketing	7 : 8
IT	3 : 4
Operations	5 : 4
Logistics	6 : 5
Printing	2 : 1

PERCENTAGE OF EMPLOYEES IN VARIOUS DEPARTMENTS OF AN ORGANISATION AND THE MALE-FEMALE RATIO
Total Number of Employees = 2500

2.What is the difference between total number of employees in IT and Operations Departments ?
a)200   b)50   c)100   d)150   e)75

Total Number of Employees = 2500

Printing 6%

Administration 12%

Logistics 11%

Operations 18%

Accounts 8%

IT 14%

HR 16%

Marketing 15%

Department	Male : Female
Administration	7 : 5
Accounts	2 : 3
HR	5 : 3
Marketing	7 : 8
IT	3 : 4
Operations	5 : 4
Logistics	6 : 5
Printing	2 : 1

PERCENTAGE OF EMPLOYEES IN VARIOUS DEPARTMENTS OF AN ORGANISATION AND THE MALE-FEMALE RATIO

Total Number of Employees = 2500

3.What is the ratio between total number of males in HR and Marketing and the total number of females in these two departments respectively ?

a)13:15　　　　b)15:13

c)13:17　　　　d)17:14　　　　e)None of these

Total Number of Employees = 2500

Printing 6%
Administration 12%
Logistics 11%
Accounts 8%
Operations 18%
HR 16%
IT 14%
Marketing 15%

Department	Male : Female
Administration	7 : 5
Accounts	2 : 3
HR	5 : 3
Marketing	7 : 8
IT	3 : 4
Operations	5 : 4
Logistics	6 : 5
Printing	2 : 1

PERCENTAGE OF EMPLOYEES IN VARIOUS DEPARTMENTS OF AN ORGANISATION AND THE MALE-FEMALE RATIO
Total Number of Employees = 2500

4.How many female employees are there in HR Department ?
a)250   b)120   c)125   d)150   e)200

Total Number of Employees = 2500
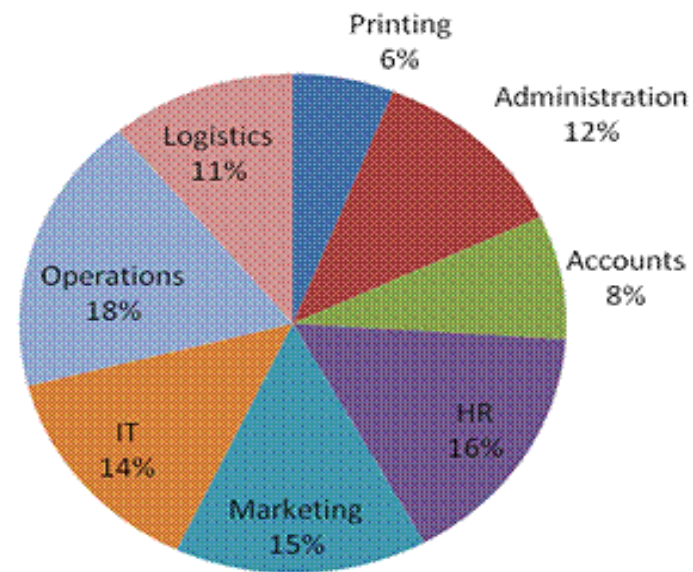
Pie chart: Printing 6%, Administration 12%, Accounts 8%, HR 16%, Marketing 15%, IT 14%, Operations 18%, Logistics 11%

Department	Male : Female
Administration	7 : 5
Accounts	2 : 3
HR	5 : 3
Marketing	7 : 8
IT	3 : 4
Operations	5 : 4
Logistics	6 : 5
Printing	2 : 1

PERCENTAGE OF EMPLOYEES IN VARIOUS DEPARTMENTS OF AN ORGANISATION AND THE MALE-FEMALE RATIO
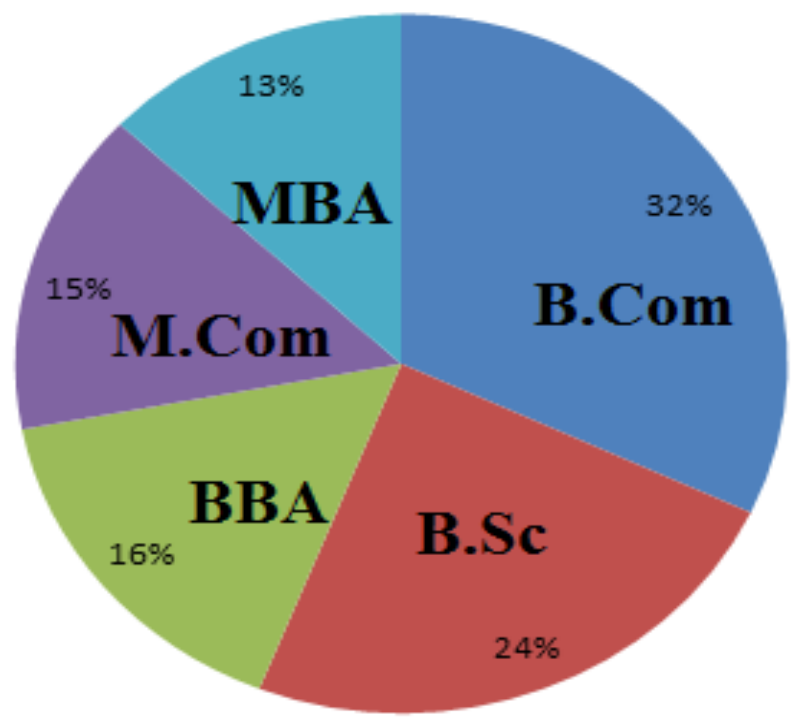**Total Number of Employees = 2500**

5.What is the difference between the male and female employees in Logistics Department ?
a)50   b)25   c)75   d)100   e)125

SET03

Total Number of Students = 2100
Percentage Break up of Students

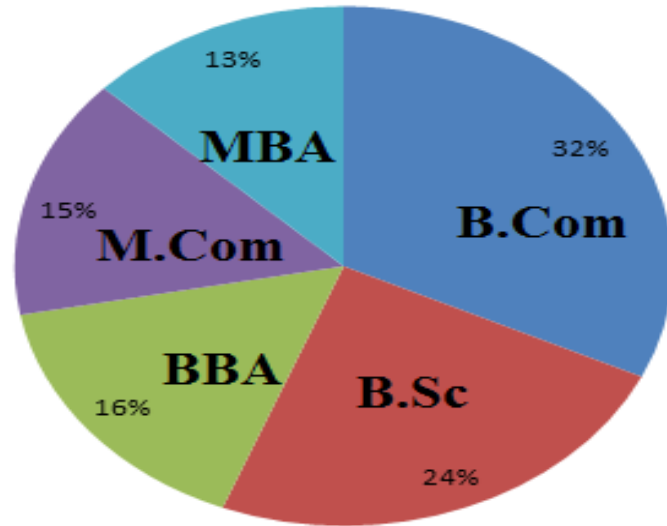| Department	Ratio of Male to Female
B.Com	5 : 7
B.Sc	3 : 4
BBA	7 : 5
M.Com	13 : 8
MBA	2 : 1

Q. What is the number of Male student studying in M.Com?
A) 210   B) 195   C) 190   D) 168   E) None

Q. The number of Female student studying in B.Com approximately what per cent of the total number of students studying in all departments together?
A) 18   B) 15   C) 20   D) 23

Total Number of Students = 2100
Percentage Break up of Students

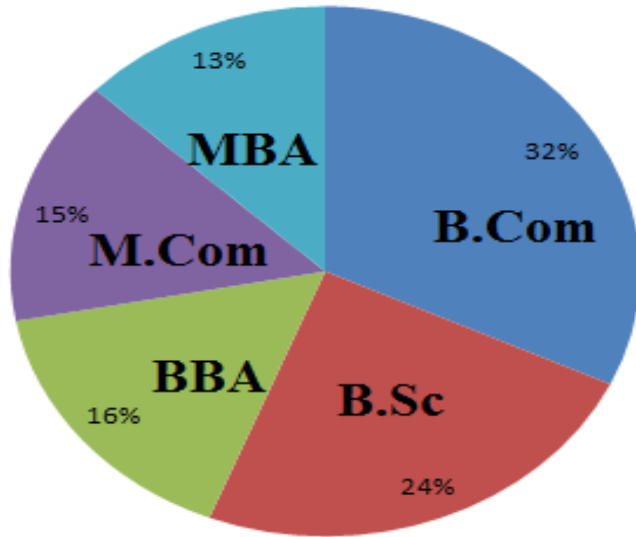| Department	Ratio of Male to Female
B.Com	5 : 7
B.Sc	3 : 4
BBA	7 : 5
M.Com	13 : 8
MBA	2 : 1

Q. What is the respective ratio of the number of Female Student studying in BBA and the total number of Students in that department?
A) 7:11   B) 11:7   C) 12:5   D) 5:12   E) None

Q. The number of male student studying in MBA is what per cent of the total number of Students studying in that department?

A) 32%   B) 25%   C) 66 2/3% D) 33 1/3%   E) None

Total Number of Students = 2100
Percentage Break up of Students

Department	Ratio of Male to Female
B.Com	5 : 7
B.Sc	3 : 4
BBA	7 : 5
M.Com	13 : 8
MBA	2 : 1

Q. What is the respective ratio of the number of female student studying in B.Sc. to the number of female student studying in B.Com?
A) 35:27 B) 14:23   C) 27:35   D) 21:16   E) None