DATA INTERPRETATION-II

There are two examinations, A and B in a subject which are evaluated out of 30 and 70 marks, respectively. In order to pass the course the student has to get at least 40% in total and at least 40% in B. The following are the marks of the students S_1 to S_4. The only student/s to have passed is/are:

(1) S_1, S_3 (2) S_1, S_2, S_4 (3) S_1, S_2 (4) S_1

30 | 28/70 | 40/100

Students	A	B
S_1	12	28
S_2	10	29
S_3	16	27
S_4	05	29

40

39 ×

34 ×

The data given the following table summarizes the monthly budget of an average household:

The approximate percentage of the monthly budget NOT spent on savings is:

(1) 10% (2) 14% (3) 81 % (4) 86%

Category	Amount
Food	4000
Clothing	1200
Rent	2000
Savings	1500
Others	1800

$$\% \text{ Saving} = \frac{1500}{10500} \times 100 = \frac{100}{7}\%$$

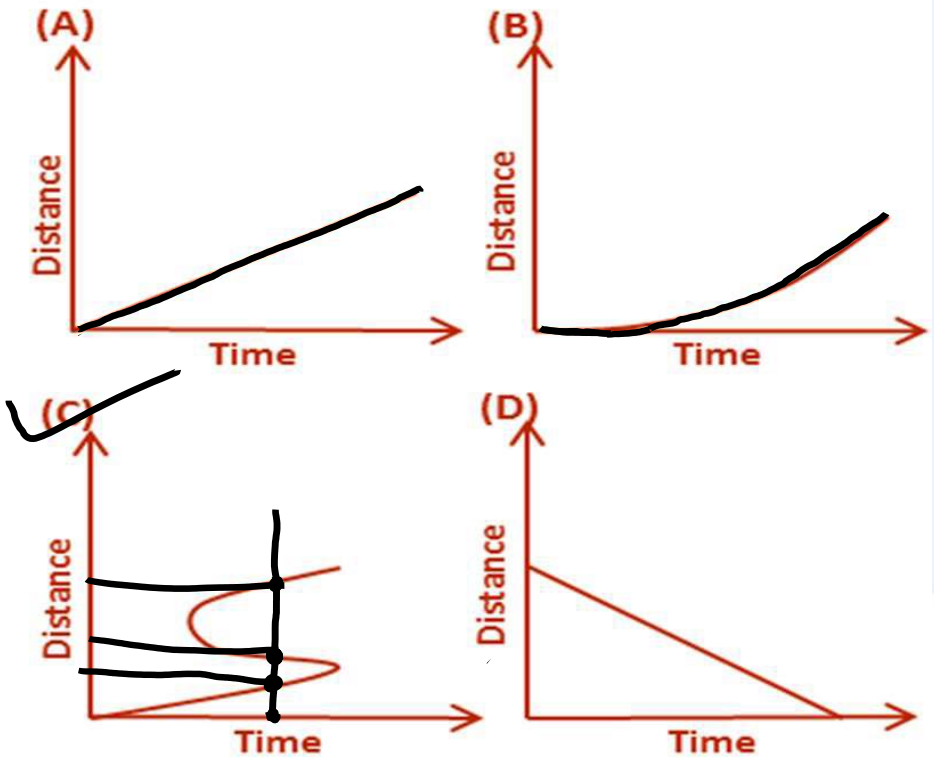
$$\text{Non-saving Percent} = \left(100\% - \frac{100}{7}\right) = \frac{(700 - 100)}{7} = \frac{600}{7}$$

$$\approx 86\%$$

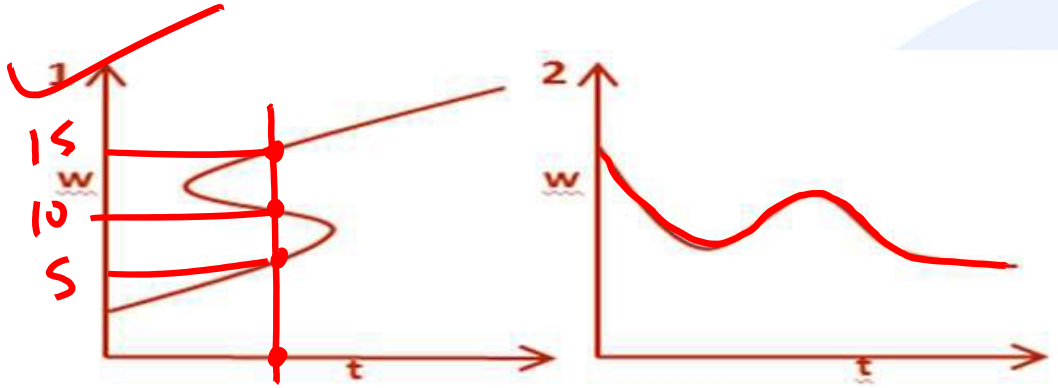
Ans

A student observes the movement of four snails and plots the graphs of distance moved as a function of time as given in figures (A), (B), (C) and (D).
Which one of the following is not correct?

(1) Graph (A) (2) Graph (B) (3) Graph (C) (4) Graph (D)

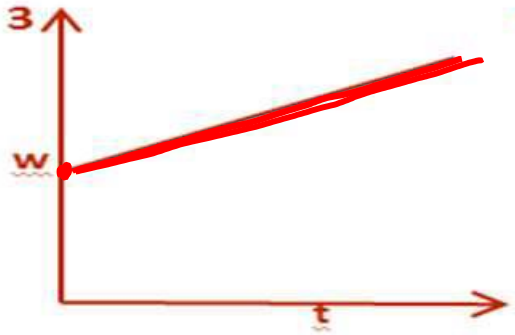


If we plot the weight (w) versus age (t) of a child in a graph, the one that will never be obtained from amongst the four graphs given below is:

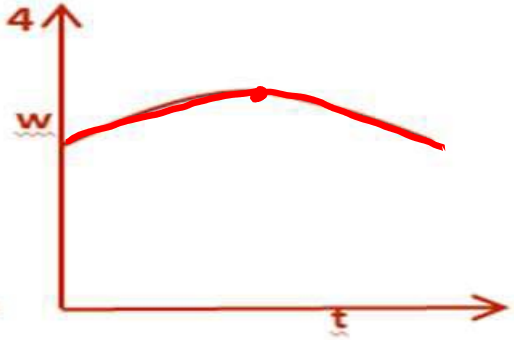


(1) 1

(2) 2



(3) 3



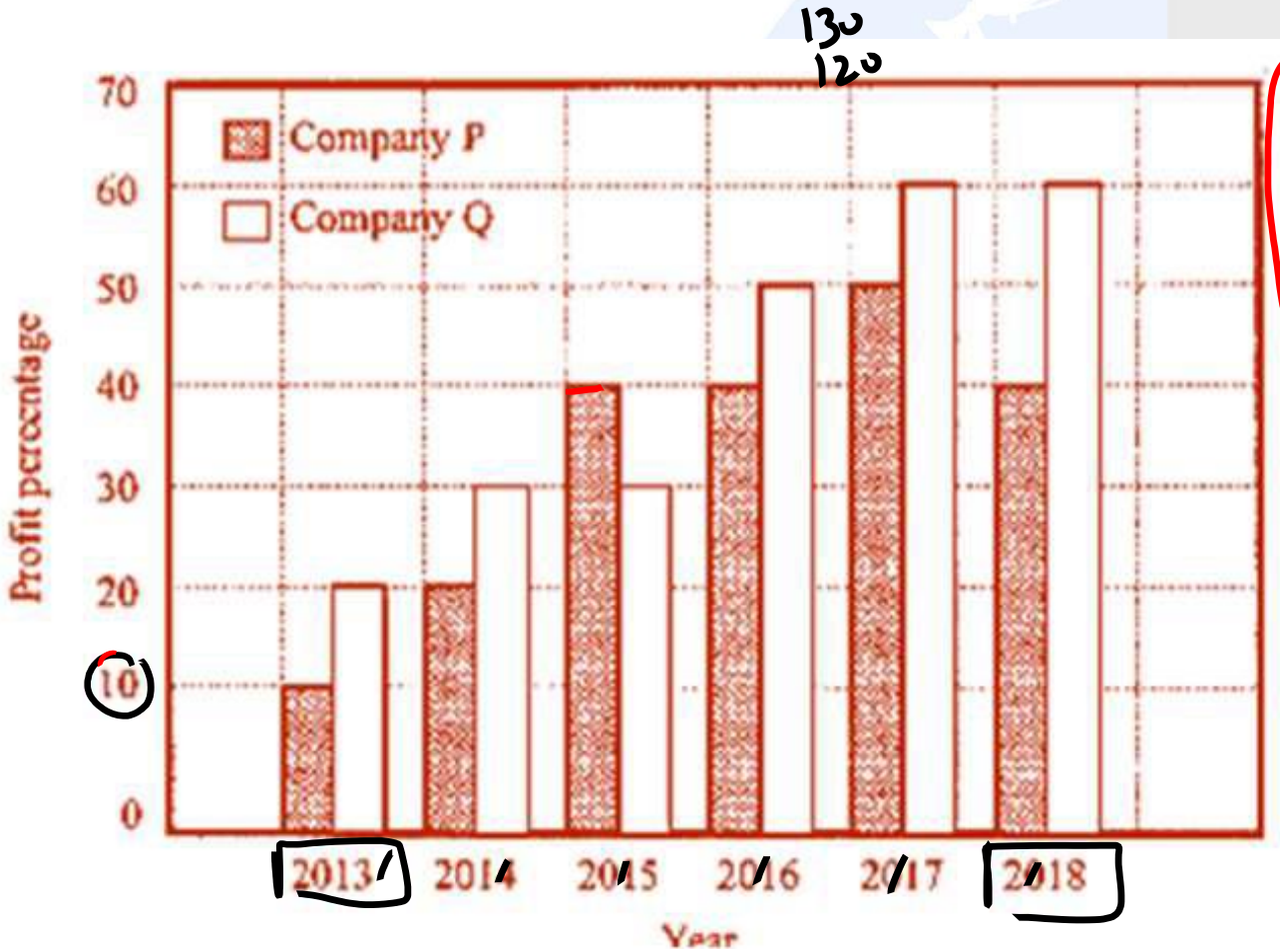
(4) 4

(1) 1 (2) 2 (3) 3 (4) 4

The profit shares of two companies P and Q are shown in the figure. If the two companies have invested a fixed and equal amount every year, then the ratio of the total revenue of company P to the total revenue of company Q, during 2013 - 2018 is_____.

(A) 15:17 (B) 16:17 (C) 17:15 (D) 17:16

Revenue = Investment + Profit



130
120

$$\frac{P}{Q} = \frac{600 + 200}{600 + 250} = \frac{800}{850} = \frac{16}{17}$$

Ans

The graph depicts the petrol prices (in Rs. Per litre) for the months April, May and June.
Pick the INCORRECT statement.

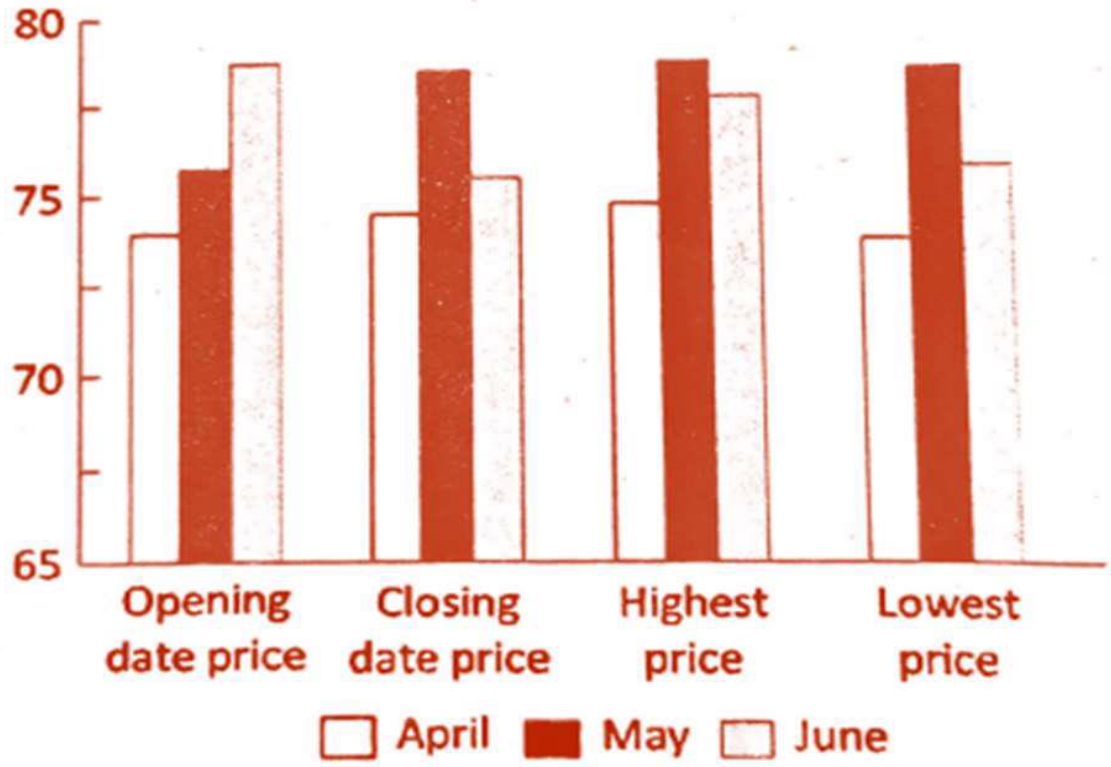
(1) The highest price never crossed 75.

(2) The largest difference between the highest and lowest price was for the month of june.

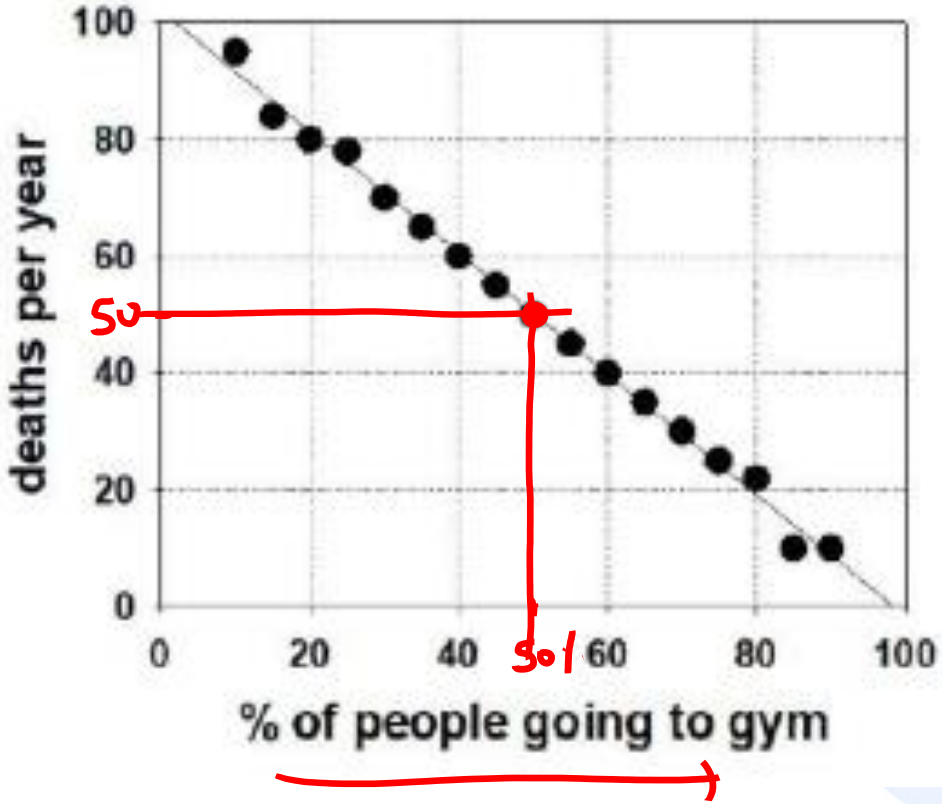
(3) Month of june showed the largest decrease of price between the opening date and closing date price.

(4) All depicted prices lie between 70 and 80.

The graph depicts the petrol prices (in Rs. Per litre) for the months April, May and June.
Pick the INCORRECT statement.
(1) The highest price never crossed 75.
(2) The largest difference between the highest and lowest price was for the month of june.
(3) Month of june showed the largest decrease of price between the opening date and closing date price.
(4) All depicted prices lie between 70 and 80.

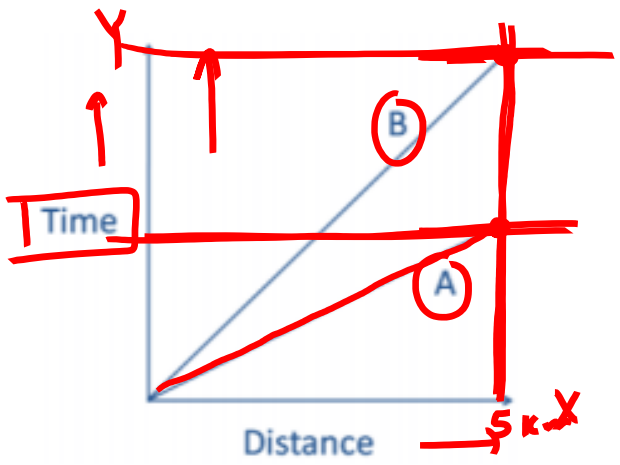


Given graph depicts the data of people going to gym and deaths per year in different cities. Which of the following can be definitely concluded from the graph?

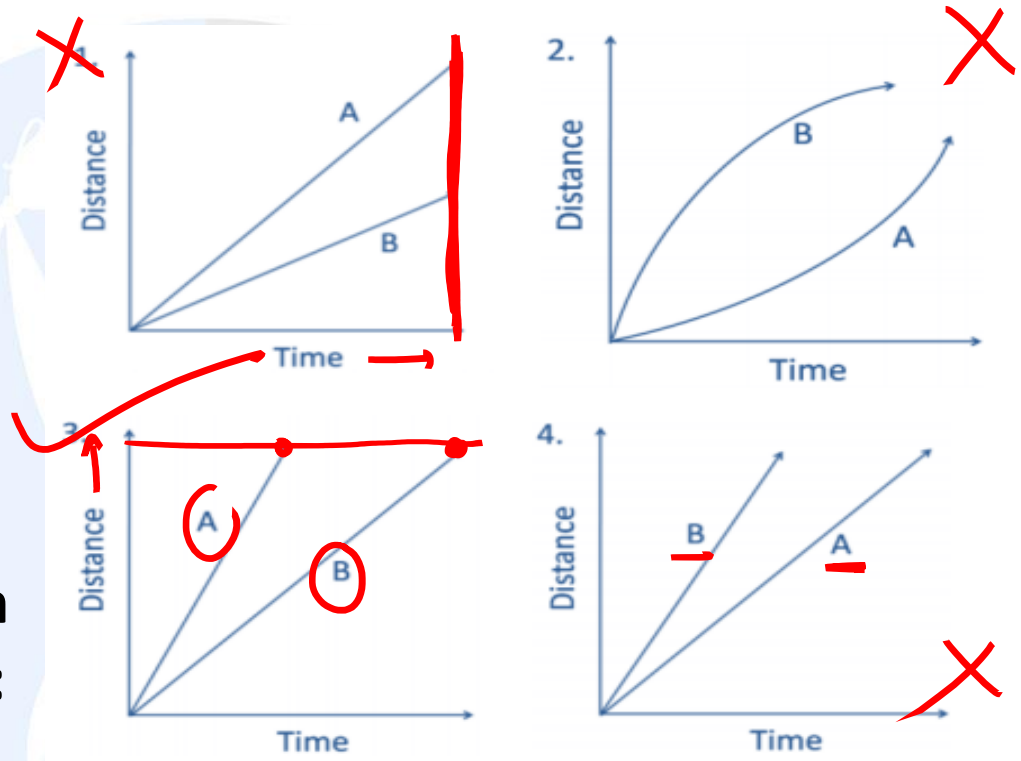


1. Gym makes people fit and improves their health.
2. None will die if all go to gym.
3. Gym helps people to save their lives in cities.
4. In the city where on the average 50% people go to gym, 50 people die per year.

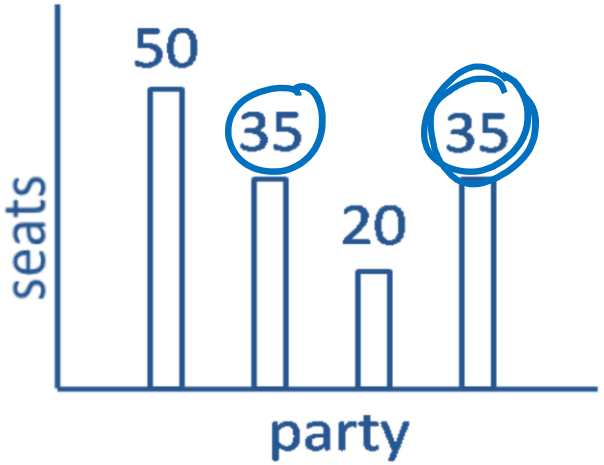
Time-distance graph of two objects A and B are shown



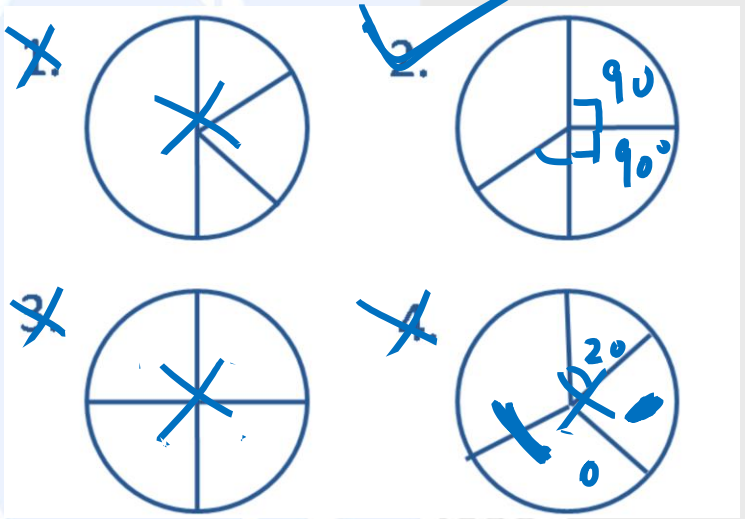
If the axes are interchanged, then the same information is shown by:



The bar chart shows number of seats won by four political parties in a state legislative assembly. :



Which of the following pie-charts correctly depicts this information?



140 ≡ 360° / 140 × 35 = 90°

1 ≡ 360 / 140 × 50 = 0

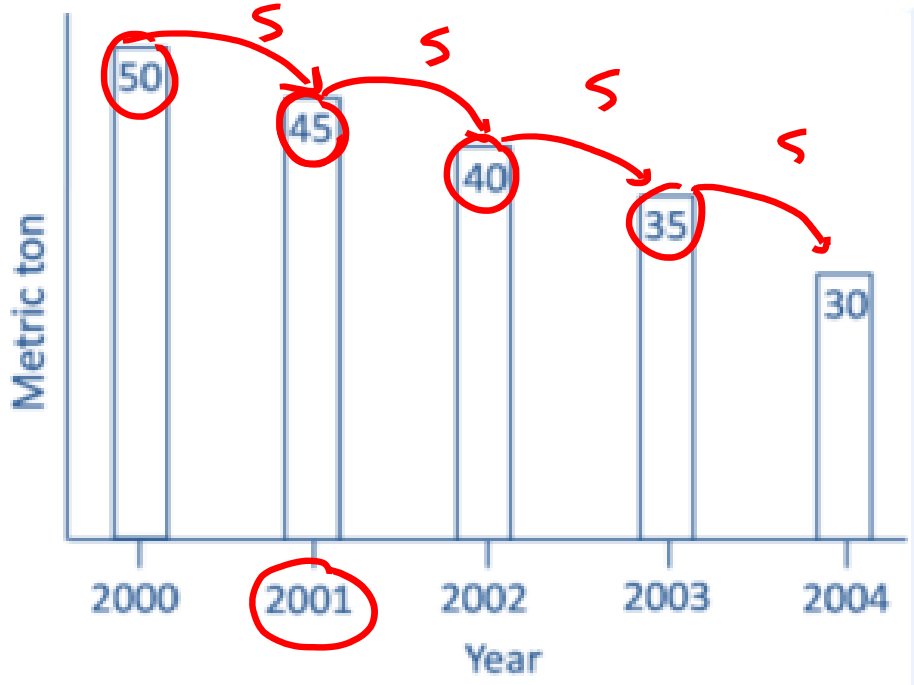
In a survey, 300 respondents were asked whether they own a vehicle or not. If yes, they were further asked to mention whether they own a car or scooter or both. Their responses are tabulated below. What percent of respondents do not own a scooter?

		Men	Women
Own Vehicle	Car	40	34
	Scooter	30	20
	Both	60	46
Do not own vehicle		20	50

(1) 42% (2) 48% (3) 52% (4) 56%

$= \frac{144}{300} \times 100 = 48\%$

Wheat production of a country over a number of years is shown. Which year recorded highest percent reduction in production over the previous year?

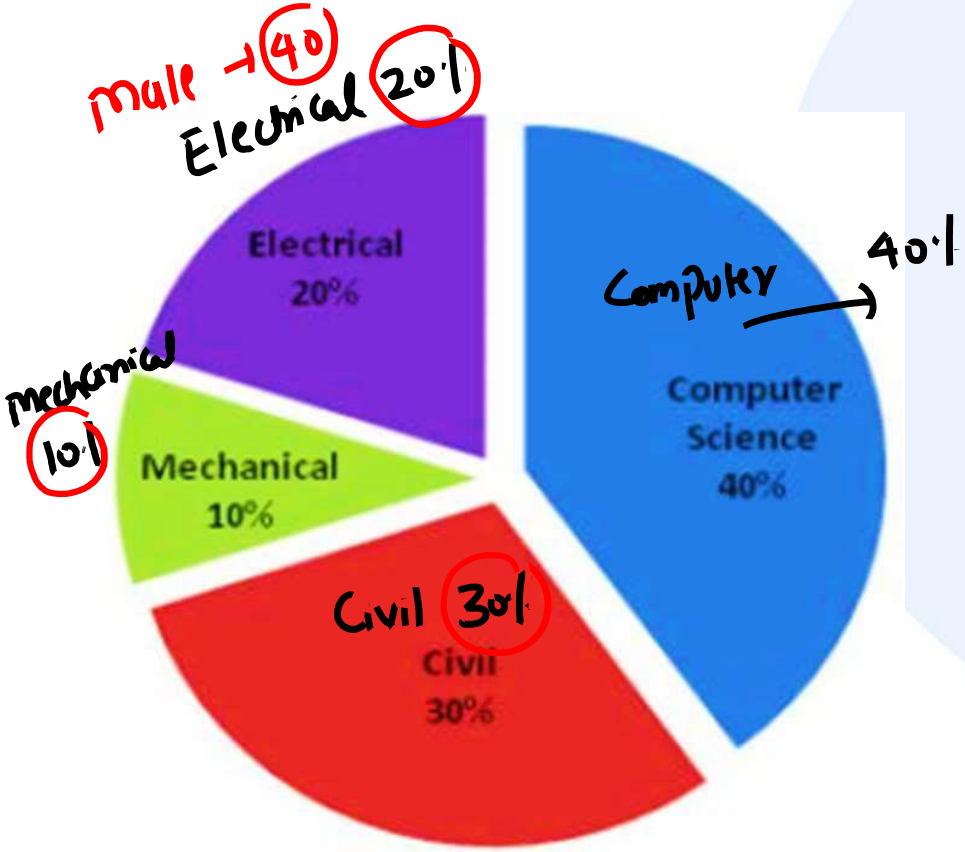


(1) 2001
(2) 2002
(3) 2003
(4) 2004

Any

The pie chart below has the breakup of the number of students from different departments in an engineering college for the year 2012. The proportion of male to female students in each department is 5:4. There are 40 males in Electrical Engineering. What is the difference between the numbers of female students in the civil department and the female students in the Mechanical department?

(1) 30 (2) 32 (3) 34 (4) 36



Male → 40

Electrical 20°

Computer 40°

Mechanical 10°

Civil 30°

Civil (Female) − Mech (F)

M : F

5 : 4

5 ≡ 40

1 ≡ 8

4 ≡ 32

40 + 32 = 72

20° ≡ 36

1 ≡ 24

30° ≡ 24 × 34 = 108 → Civil

110° ≡ 36

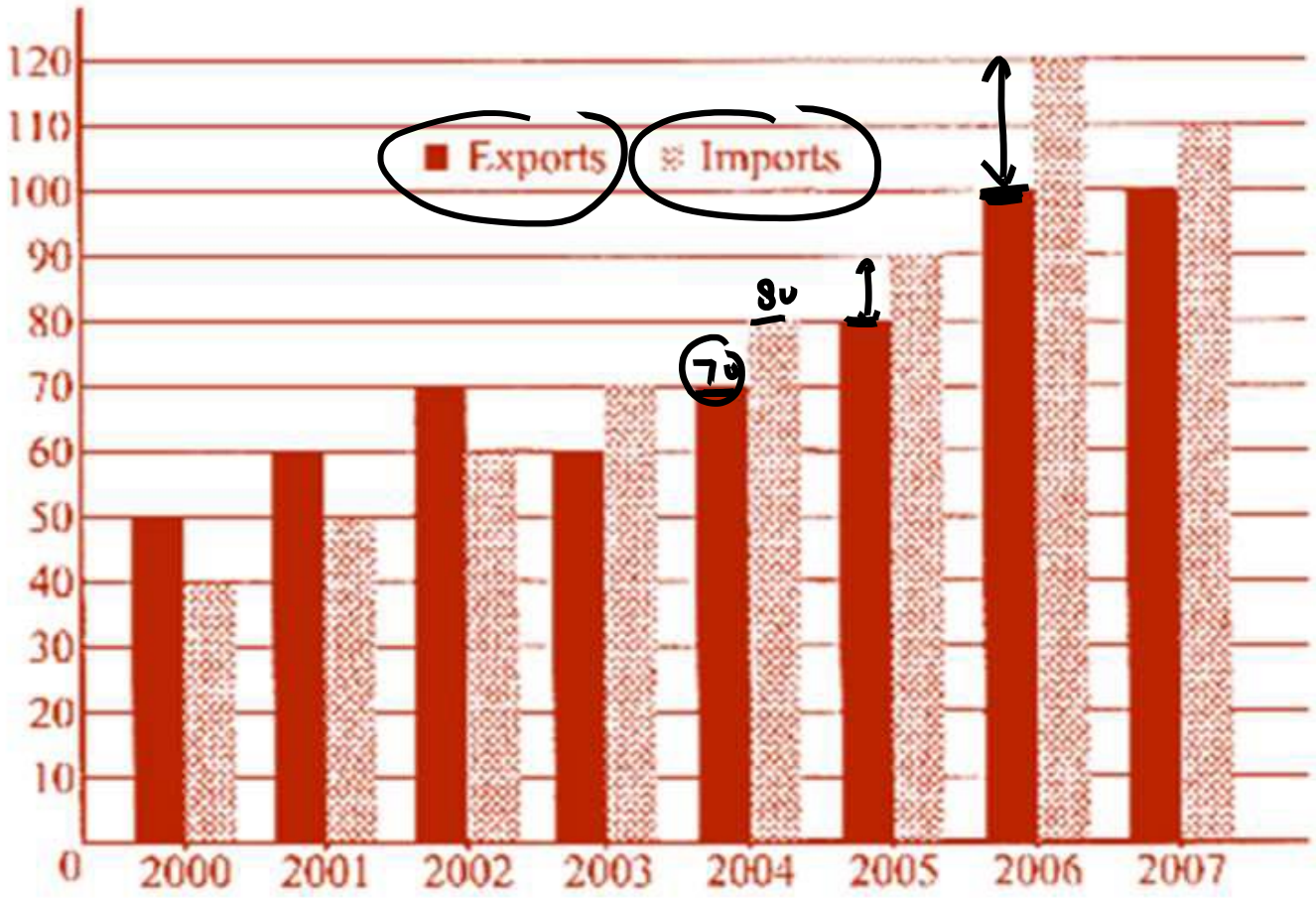
$108^{12} \times \frac{4}{9} = 48$

$36^{4} \times \frac{4}{4} = 16$

48 − 16 = 32

The exports and imports (in crores of Rs.) of a country from 2000 to 2007 are given in the following bar chart. If the trade deficit is defined as excess of imports over exports, in which year is the trade deficit 1/5th of the exports?

(A) 2005 (B) 2004 (C) 2007 (D) 2006



Ans

(Deficit = import − Export)

2004 ⇒ (10) $70 \times \frac{1}{5} = 14$

2005 ⇒ (10) $80 \times \frac{1}{5} = X$

2006 (20) $100 \times \frac{1}{5} = 20$

2007

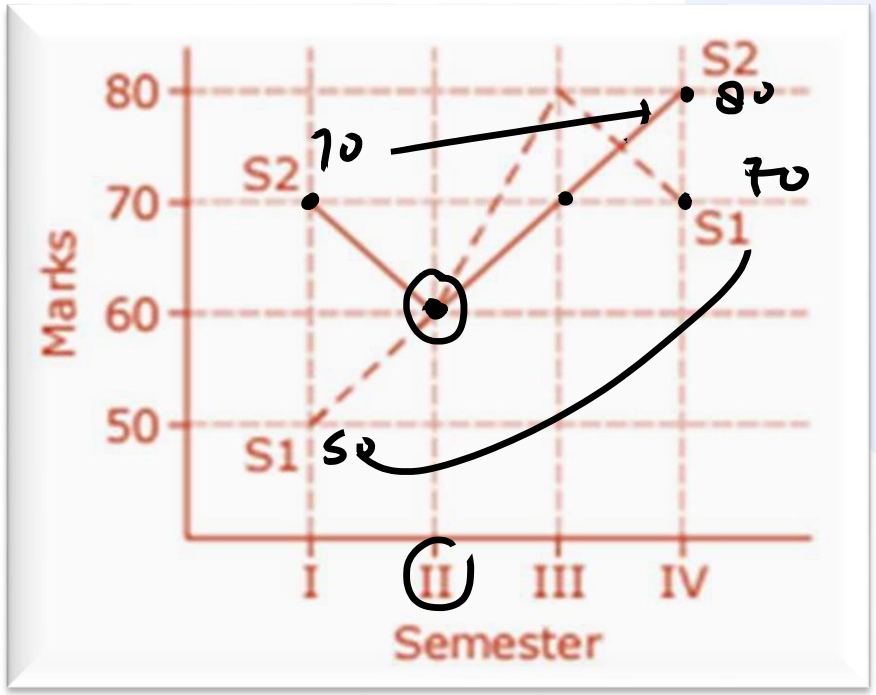
Marks obtained by two students S1 and S2 in a four semester course are plotted in the following graph. Which of the following statements is true?

(1) S2 got higher marks than S1 in all four semesters

(2) Over four semesters, S1 improved by a higher percentage compared to S2

(3) Total marks of S1 and S2 are equal

(4) S1 and S2 did not get the same marks in any semester



Following table gives data on tourists from different countries visiting India in the year 2011.

Country	Number of Tourists
USA	2000
England	3500
Germany	1200
Italy	1100
Japan	2400
Australia	2300
France	1000

12000
1500
4500 13500 × 1/3 = 4500

Which two countries contributed to the one third of the total number of tourist who visited India in 2011?

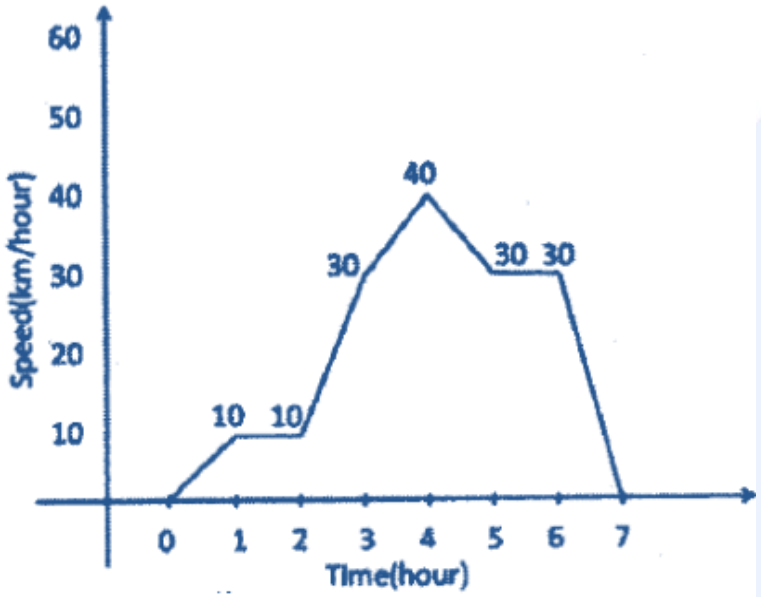
(A) USA and Japan ✗

(B) USA and Australia ✗

(C) England and France

(D) Japan and Australia

Movement of a car with respect to time is given below:



The average speed of the car is

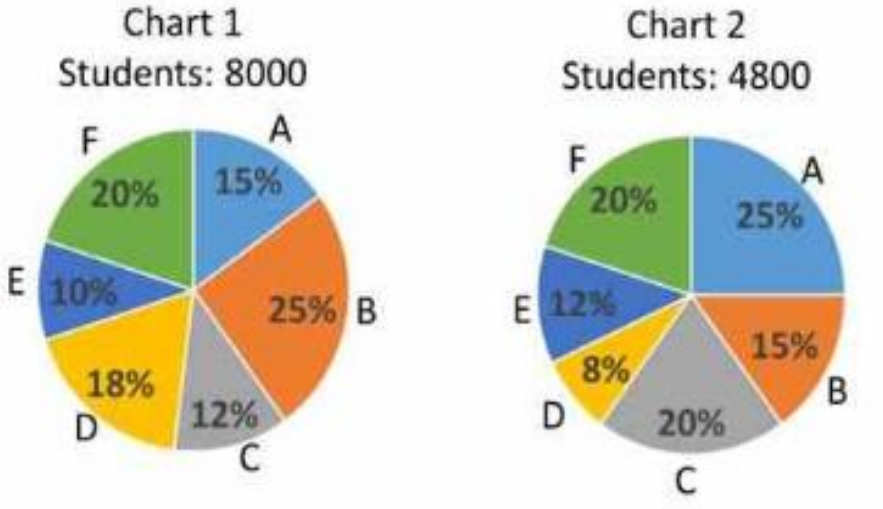
(1) 30.42

(2) 26.43

(3) 10.43

(4) 21.43

Chart 1 shows the centre-wise breakup of 8000 students who appeared for an exam at centres A to F. Chart 2 shows the breakup of the 4800 students who passed. What percentage of students who appeared at the center C passed?



2

1. 20
2. 48
3. 80
4. 100

THANK YOU