

MBA FASTRACK BATCH

puentages) + Ratio + Avg

Lecture - 01

Data Interpretation

Calculations & Tables/Bar/Line

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to be covered



- 1 Calculation Techniques
- DI Sets based on Tables, Bar Line Graphs

Calculation Techniques



Calculation Techniques





SET - 1

Read the following data and answer the given questions.



The table given below shows the number of seats 5 buses (P, Q, R, S and T) and the percentage of seats that were filled out of the total seats in the buses.

Bus	Number of seats	Percentage of seats filled
Р	135	$66\frac{2}{3}\%$ 90
Q	240	75% 180
R	96	$62\frac{1}{2}\%$
S	n - 160	70% 112
T	345-22 - 185	80% 48

 $| \sqrt{acant} | 45$ $| 60 \rangle | 36 \rangle | 304.4 n = 0.3a \rangle | 48 \rangle | 304.4 (345-n) = 69-0.2n \rangle$

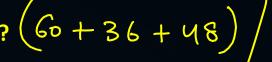
Some of the data is intentionally missing.

Note:

- A) The total number of vacant seats in all the 5 buses together were 226
- B) The number of seats in buses S and T together were (345)
- C) Only one person can sit on one seat.

$$141 + 0.3n + 69 - 0.2n = 226$$
 $0.1n = 16$
 $n = 160$

#Q1. What is the average of the vacant seats of buses Q, R and S together? (60 + 36 + 48)A. 64 B. 54 $\cancel{\cancel{C}}$. 48 D. 42 E. None of these





#Q2. If the number of vacant seats was distributed in a degree pie-chart, what would have been the approximate central angle for bus F

A. 72°

B. 112.4°

C. 62.5°

D. 94.9°

E. None of these

#Q3. What is the ratio of the number of seats in bus R and S together and the number of seats filled in 180 bus Q respectively?

A. 5:6

B. 10:11

D. 7:9

E. 11:15

#Q4. If 25% of the seats in bus T were occupied by females and the remaining seats were occupied by males. The number of seats occupied by females in bus T is equal to the number of seats occupied by males aging below 60 in bus T. Total number of males and females aging above 60 is 40 more than total number of males and females aging below 60, what is the number of females aging below 60?

A. 15

B. 17

C. 12

D. 19

E. Cannot be determined



$$\frac{45}{226} \times \frac{360}{360} \longrightarrow \frac{10\%}{20\%} = 36$$
 $\frac{45}{20\%} \approx \frac{20\%}{20\%}$
 $\frac{10\%}{20\%} = \frac{36}{72}$
 $\frac{10\%}{20\%} = \frac{36}{72}$
 $\frac{10\%}{20\%} = \frac{36}{72}$

Read the following data and answer the given questions.



The table given below shows the number of seats 5 buses (P, Q, R, S and T) and the percentage of seats that were filled out of the total seats in the buses.

01 201					
Bus	Number of seats	Percentage of seats filled			
Р	135	$66\frac{2}{3}\%$			
Q	240	75%			
R	96	62 1/2 %			
S	ES Y	70%			
T	5 0)	80%			

Some of the data is intentionally missing.

Note:

- A) The total number of vacant seats in all the 5 buses together were 226
- B) The number of seats in buses S and T together were 345
- C) Only one person can sit on one seat.



#Q. What is the average of the vacant seats of buses Q, R and S together?

- A. 64
- **B.** 54
- **C.** 48
- D. 42
- **E.** None of these



#Q. If the number of vacant seats was distributed in a degree pie-chart, what would have been the approximate central angle for bus P?

- **A. 72**°
- **B. 112.4**°
- **C.** 62.5°
- D. 94.9°
- **E.** None of these



#Q. What is the ratio of the number of seats in bus R and S together and the number of seats filled in bus Q respectively?

A. 5:6

B. 10:11

C. 64:45

D. 7:9

E. 11:15



#Q. If 25% of the seats in bus T were occupied by females and the remaining seats were occupied by males. The number of seats occupied by females in bus T is equal to the number of seats occupied by males aging below 60 in bus T. Total number of males and females aging above 60 is 40 more than total number of males and females aging below 60, what is the number of

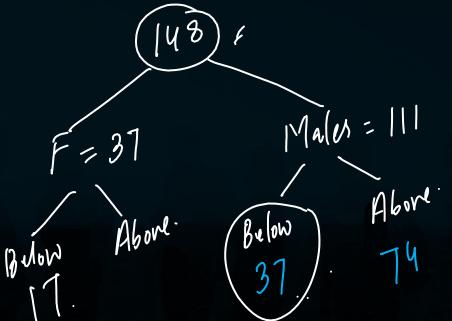
females aging below 60?

A. 15

C. 12 D. 1

E. Cannot be determined

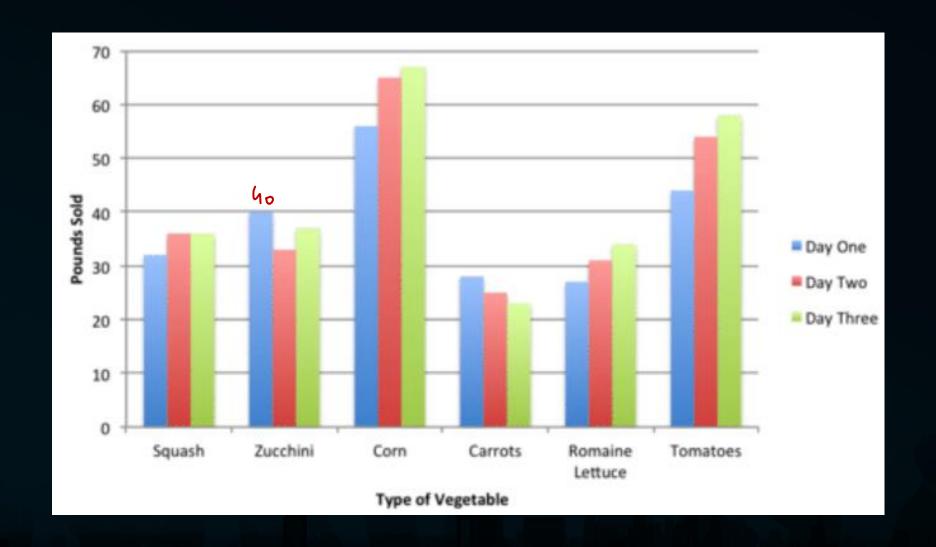
185	
(148)	
37	

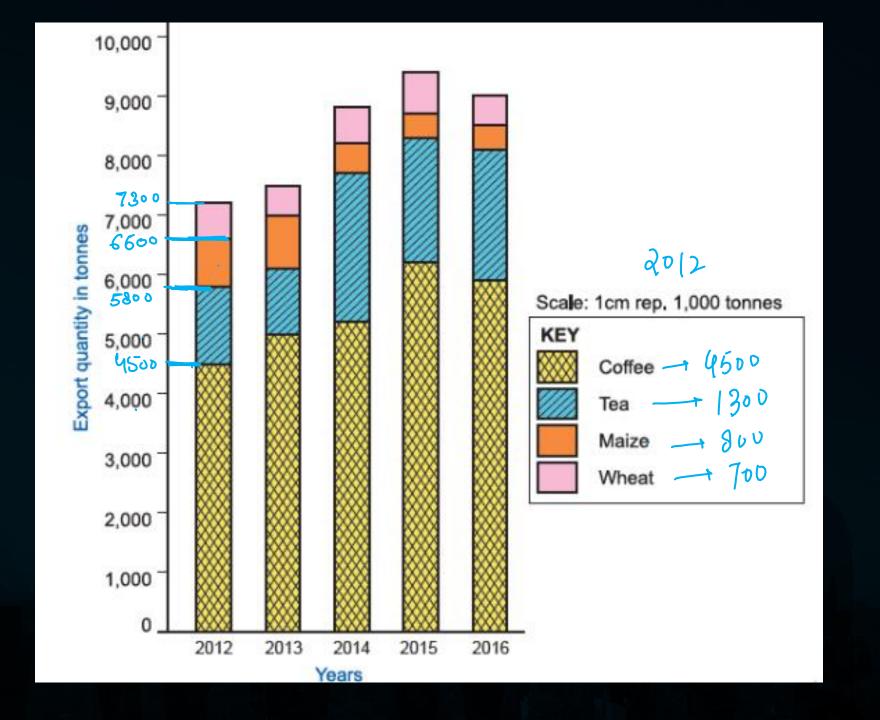




Bar Graph









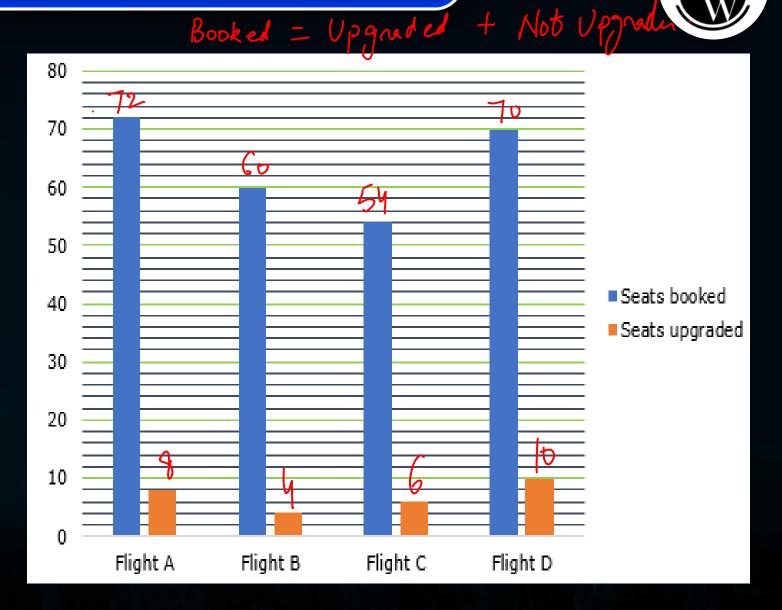


SET - 2

Read the following data and answer the given questions.

The bar graph given below shows the number of seats booked in 4 flights (A, B, C, and D) on a certain day. It also shows the number of seats that were upgraded in these flights.

It is known that the booked seats were either upgraded or not upgraded. All the people booked exactly one flight.



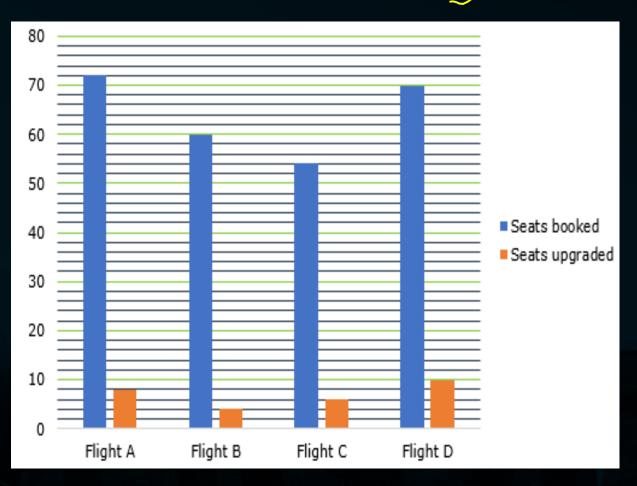


#Q. What is the difference between the total of number of seats not upgraded of Flights A and B and the number of seats not upgraded of Flight D?



B. 50





D. 80

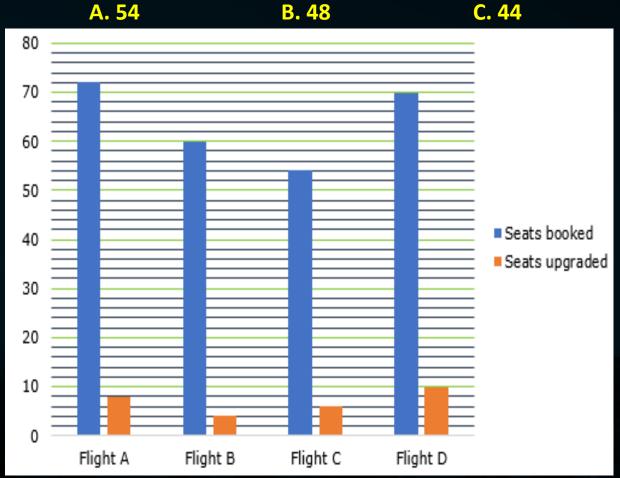
$$A = 72 - 8 = 64$$
 $B = 60 - 4 = 56$

$$0 = 70 - 10 = 60$$

If out of the number of seats upgraded in Flight D, 20% of the seats were of women and number of booked #Q.

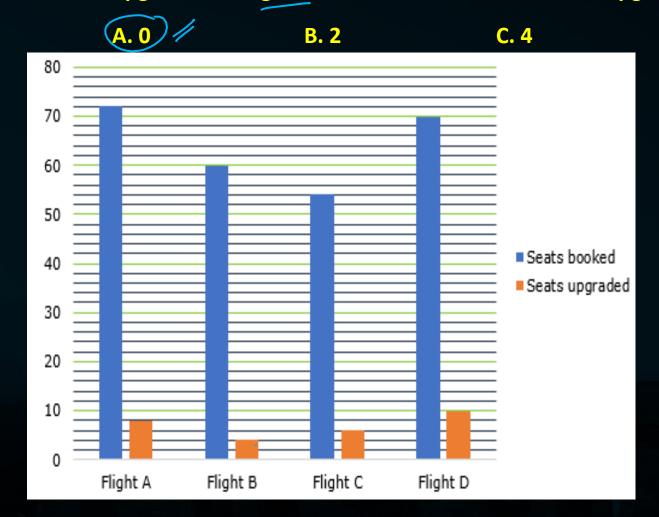
seats of women in Flight D were 28.57% of total seats booked, what is the number of seats not upgraded of

men who booked seats in Flight D?





#Q. If in another Flight E, number of seats booked are 16.66% more than the number of seats booked of Flight C and number of seats not upgraded in Flight E are 12.5% more than the number of seats not upgraded of Flight B, what is the number of seats upgraded in Flight E?



D. 5

Not up =
$$56 + \frac{1}{8} \times 56$$
 = $56 + 7 = 63$





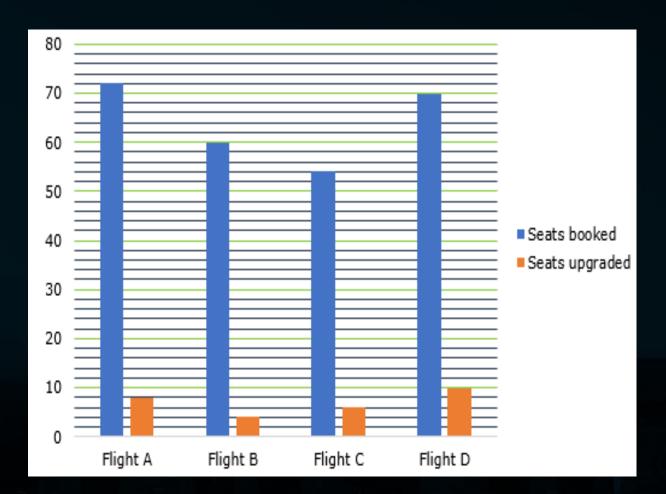
#Q. What percentage of the number of seats booked in Flight B is the number of seats upgraded in Flight A?

A. 3.33%

B. 6.66%

C. 10%

D. 13.33%

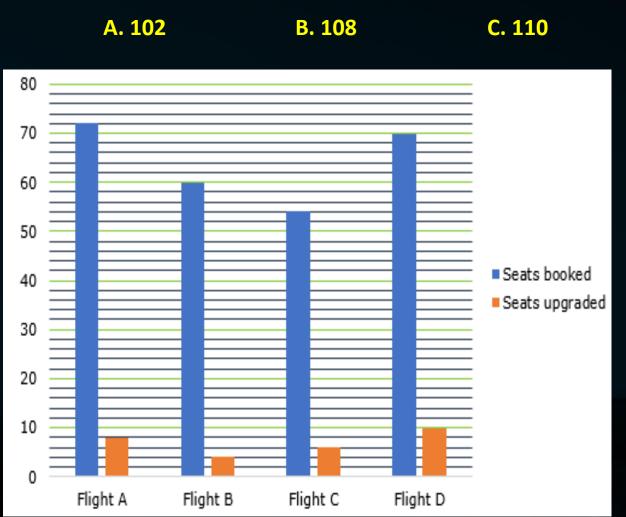


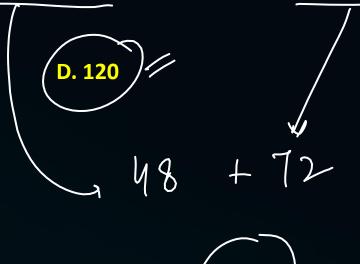
$$\frac{8}{60}$$
 x $100 = (13.33\%)$

Flight A?

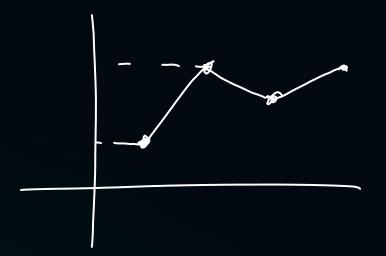


#Q. What is the sum of the number of seats not upgraded in Flight C and number of seats booked of





$$= \left(\left(\lambda D \right) \right)$$





SET - 3

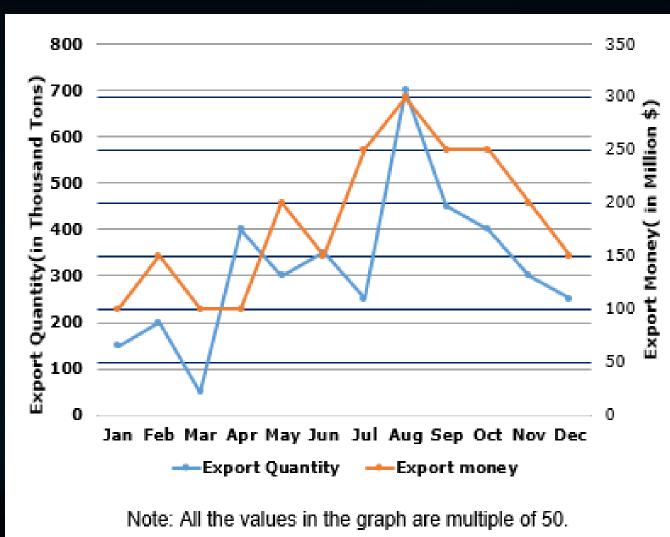
line Graph-

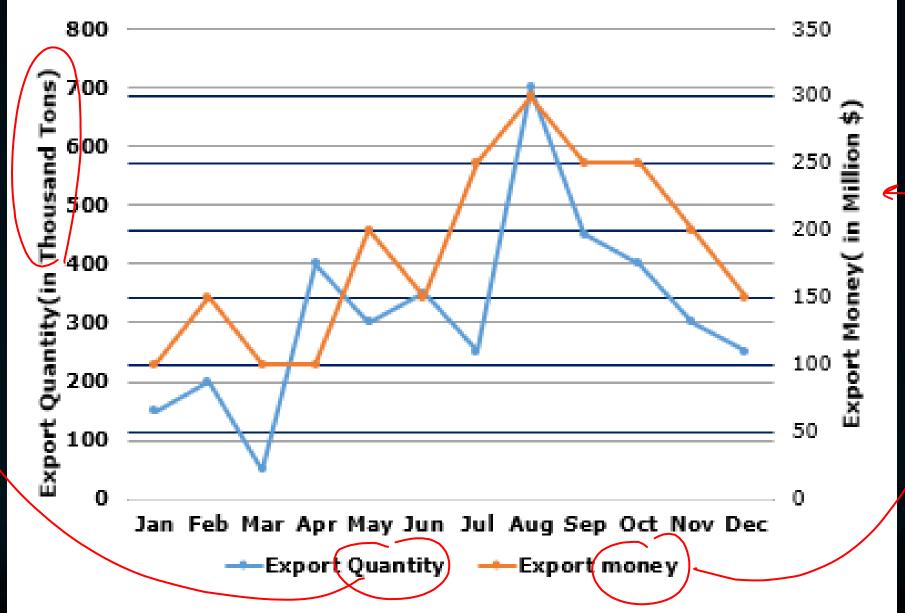
Read the following data and answer the given questions.



The graph shows the exports of copper from country X from January 2001 to December 2001.

Note: All the values in the graph are multiples of 50.





Note: All the values in the graph are multiple of 50.





#Q. Which month witnessed the second least exports (volume) to exports (revenue) ratio?

A. March

B. January

C. December

July July

Quan Money Min

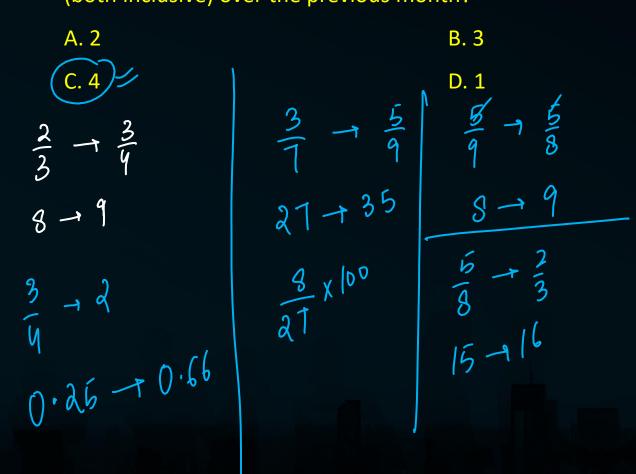
Money Quant

|--|

	Quantity	Money	
Jan	150	100	3/2
Feb	200	150	4/3
Mar	50	טסן	(1/2)
Apr	400	00	4/1
May	300	200	3/2
Jun	350	150	7/3
Jul	250	250	
Aug	700	300	7/3
Sep	450	वर्न0	9/5
Oct	400	250	8/5
Nov	300	200	3/2
Dec	∂ 60	150	5/3



#Q. In how many months the average price per ton of copper has witnessed a growth between 5% to 30% (both inclusive) over the previous month?



	Quantity	Money	
Jan	150	100	2/3) 5
Feb	200	150	3/45
Mar	50	טסן	2 X
Apr	400	00	1/42
May	300	200	2/3
Jun	350	150	3/7
Jul	250	250	1 2
Aug	700	300	3/7
Sep	450	वर्50	5 9
Oct	400	250	5/85
Nov	300	200	2(3)
Dec	Q 60	150	315



#Q. What is the average price in dollars, per ton of copper in December?

A. \$6.00

B. \$60.00

C. \$600.00

D. \$6000.00

	Quantity	Money	
Jan	150	100	
Feb	200	150	
Mar	50	טסן	
Apr	400	00	
May	300	200	
Jun	350	150	
Jul	250	250	
Aug	700	300	
Sep	450	वर्न0	
Oct	400	250	
Nov	300	200	
Dec	(26°)	(150)	



#Q. What was the maximum price of copper per ton in any of the above months?

A. \$600

B. \$750

C. \$1000

D. \$2000

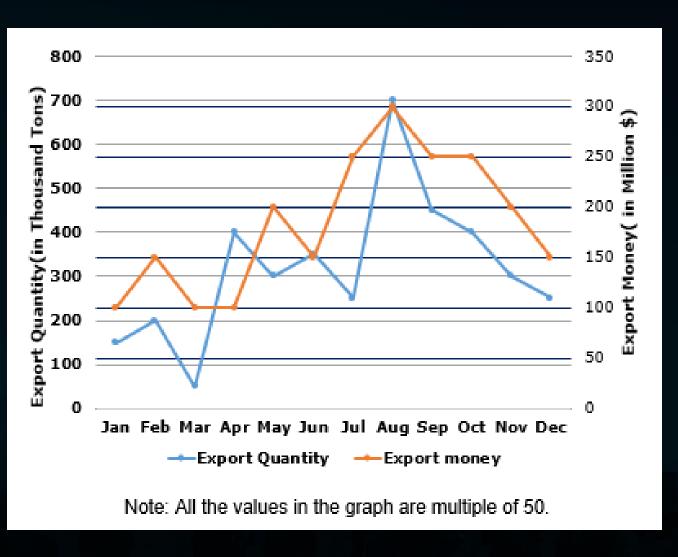
Money	$\rightarrow (Max)$
Qwan	

$$\frac{|00 \times |0|}{50 \times |0|} = 2000$$

	Quantity	Money	
Jan	150	100	
Feb	200	150	
Mar	50	טסן	
Apr	400	00	
May	300	200	
Jun	350	150	
Jul	250	250	
Aug	700	300	
Sep	450	950	
Oct	400	250	
Nov	300	200	
Dec	260	150	

Analysis





	Quantity	Money	
Jan	150	100	
Feb	200	150	
Mar	50	טסן	
Apr	400	00	
May	300	200	
Jun	350	150	
Jul	250	250	
Aug	700	300	
Sep	450	वर्ग0	
Oct	400	250	
Nov	300	200	
Dec	Q60	150	

QUESTIONS



#Q. Which month witnessed the second least exports (volume) to exports (revenue) ratio?

A. March

B. January

C. December

D. July

#Q. In how many months the average price per ton of copper has witnessed a growth between 5% to 30% (both inclusive) over the previous month?

A. 2

B. 3

C. 4

D. 1

#Q. What is the average price, in dollars, per ton of copper in December?

A. \$6.00

B. \$60.00

C. \$600.00

D. \$6000.00

#Q. What was the maximum price of copper per ton in any of the above months?

A. \$600

B. \$750

C. \$1000

D. \$2000

Initial - Final.



