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GATE 2021

GENERAL APTITUDE

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DATA
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69



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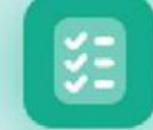
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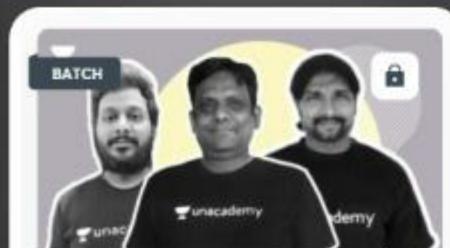
Civil Engg



Doubt Clearing Batch for GATE 2021 (Civil)

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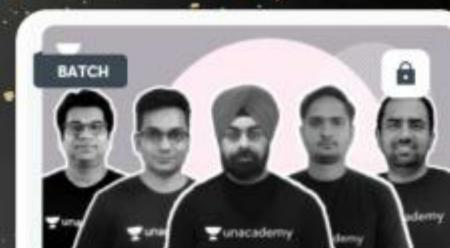
Anirudh Singh Rathore and 2 more



Spark ESE Prelims 2021 (Civil) - Batch A (English)

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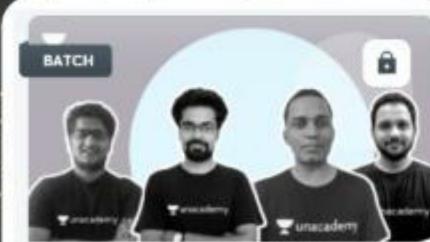
Praveen Kulkarni and 2 more



Target ESE Prelims 2021 (Civil) - Batch C

Starts on Dec 7

Anirudh Singh Rathore



GATE Rank Improvement Batch (Civil) 2021 - Part II

Started on Jul 1

Chetan Saxena and 3 more



GATE Rank Improvement Batch (Civil) 2021 - Part I

Started on Jun 15

Chetan Saxena and 2 more



BATCH - B

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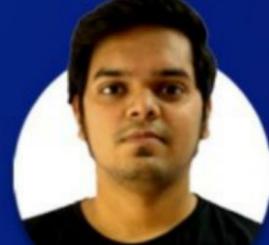
RAJAT JOHARI



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1) Five Question
Each question 1 mark

2) Five Question
Each question 2 mark

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Pattern

Quantitative Aptitude – 4 Q

Analytical Aptitude – 4 Q

Spatial Aptitude – 4 Q

Verbal Aptitude – 4 Q

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Analytical Aptitude

- Venn Diagram
- Syllogism
- Series
- Coding & Decoding
- Clock & Calendar
- Distance & Direction
- Blood Relation
- Seating Arrangements
- Puzzle

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Quantitative Aptitude

- Time & Work
- Pipes & Cisterns
- Ratio & Proportion
- Number System
- Sequence & Series
- Average
- Time, Speed & Distance
- Percentage
- Profit, Loss & Discount
- Allegation & Mixture
- Powers, exponents and logarithms
- Algebra
- Permutation & Combination
- Probability
- Data Interpretation
- Mensuration and geometry

Spatial Aptitude

- Shape Matching - Two Dimensional
- Visual Comparison - Two Dimensional
- Group Rotation - Two Dimensional
- Combining Two Dimensional Shapes
- Cube Views in Three Dimensions
- Cubes in Two and Three Dimensions
- Other Solids in Two and Three Dimensions
- Block Counting in Three Dimensions
- Two-Dimensional Mirror Reflections
- Paper folding and Cutting

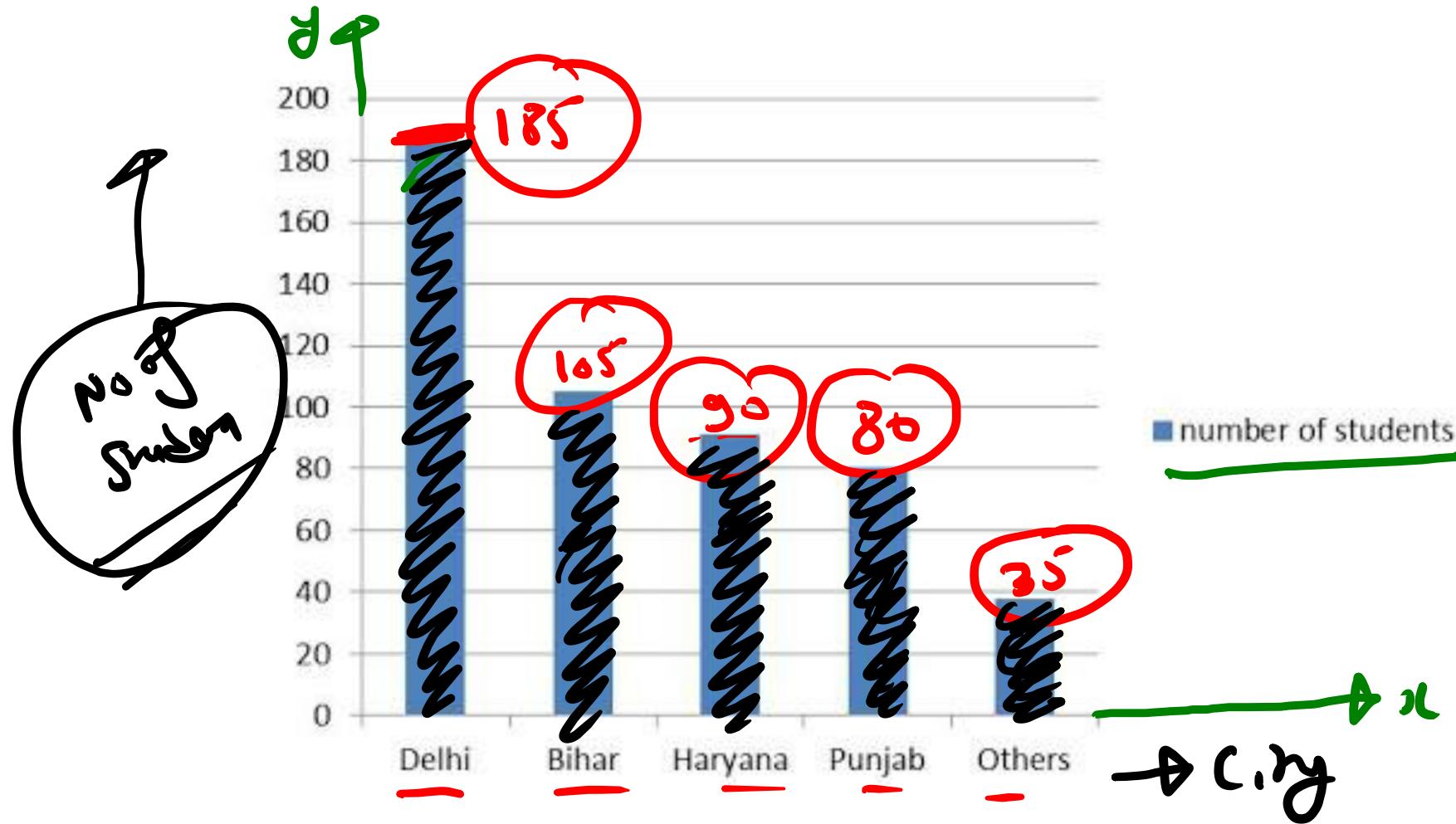
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Today's Class Agenda



- Basic concept of Bar Diagram & Line graph
- Question based on Bar Diagram & Line graph

Bar-Diagram



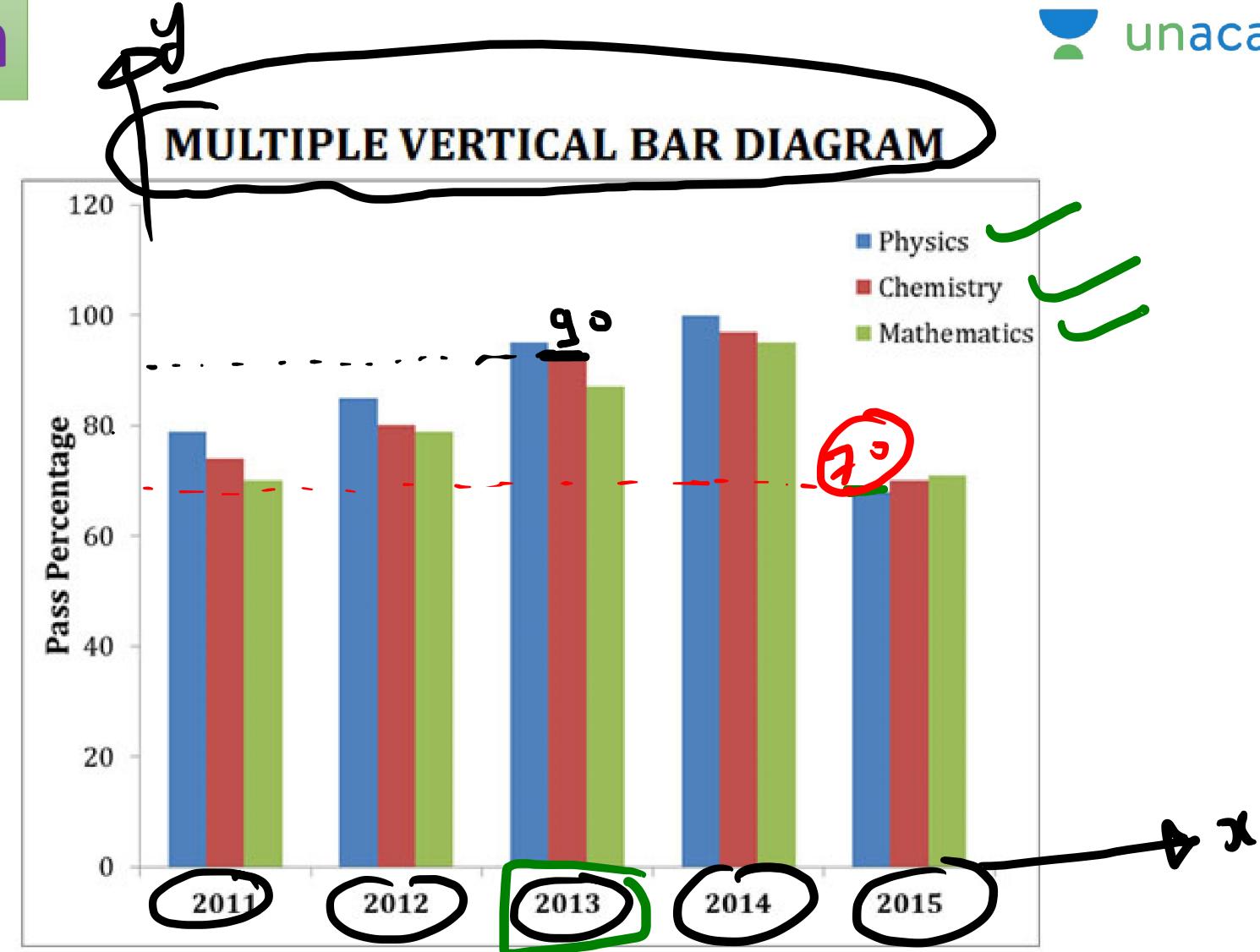
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Bar-Diagram



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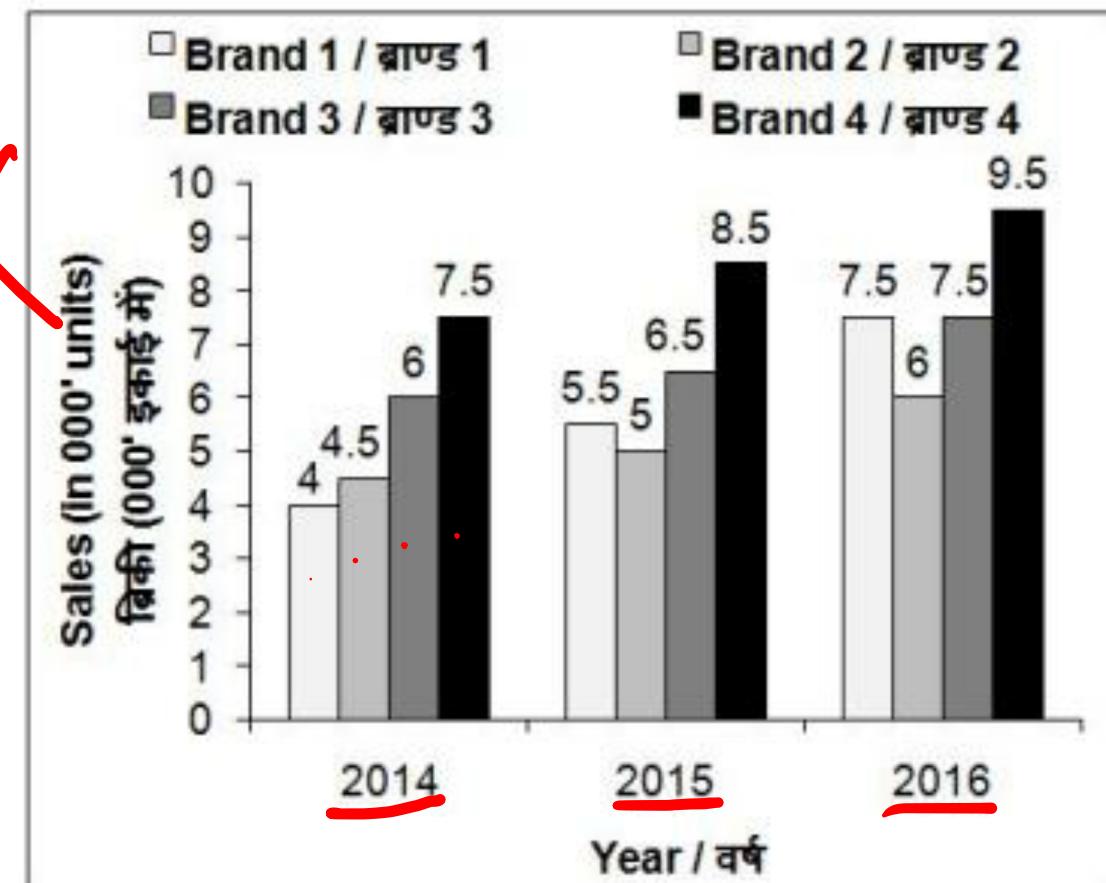
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1) The bar chart shows the sales (in '000 units) of 4 mobile brands for 3 years.

In 2017 the sales of each brand increased by the same percentage as it did in the year 2016. What will be the approximate average sales (in units) of mobiles per brand in year 2017?

- A) 9175
- B) 8360
- C) 9436
- D) 9678



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~~Q2) The bar graph given indicates the income of a firm. Study the graph and answer the questions~~

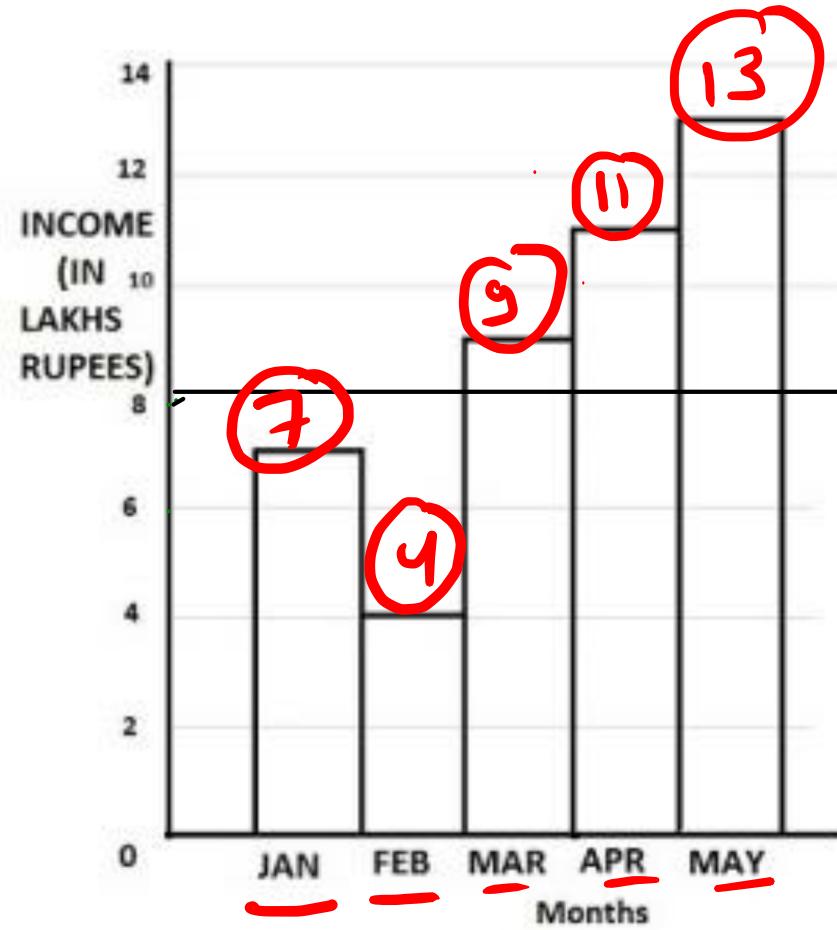
The average monthly income of the firm (in lakh rupees) is

- A) 7.6
C) 8.8

B) 6

D) NOTA

$$\frac{7+4+9+11+13}{5} = \frac{44}{5} = 8.8$$



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Direction for question 1 and 2:

[ONGC 2014]

Study of following bar graph carefully and answer the questions given below.



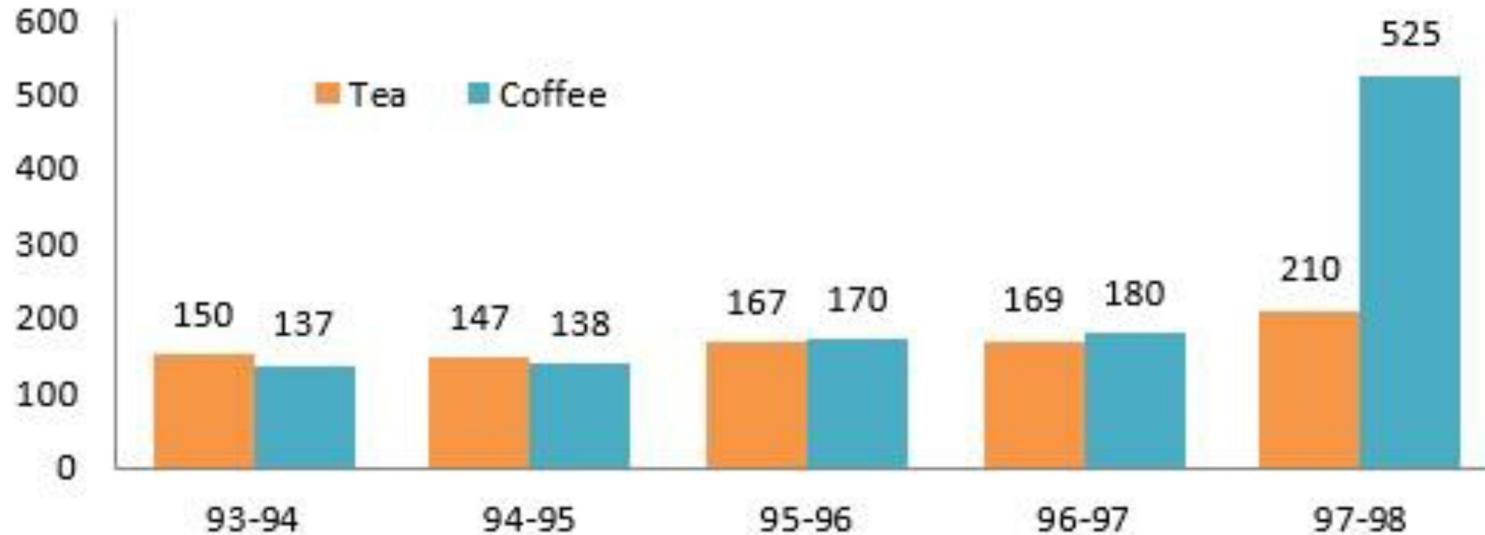
- 1) By what approximate percentage the export of the coffee increased from 1996-97 to 1997-98?
- A) 190% B) 200% C) 205% D) 195%
- 2) Find the ratio of the export of coffee in 1994-95 to that in 1996-97?
- A) 69:85 B) 23:30 C) 85:69 D) 30:23

$$\frac{138}{180} = \frac{69}{90} = \frac{23}{30}$$

Direction for question 1 and 2:

[ONGC 2014]

Study of following bar graph carefully and answer the questions given below.



- 1) By what approximate percentage the export of the coffee increased from 1996-97 to 1997-98?
A) 190% B) 200% C) 205% D) 195%

- 2) Find the ratio of the export of coffee in 1994-95 to that in 1996-97?
A) 69:85 B) 23:30 C) 85:69 D) 30:23

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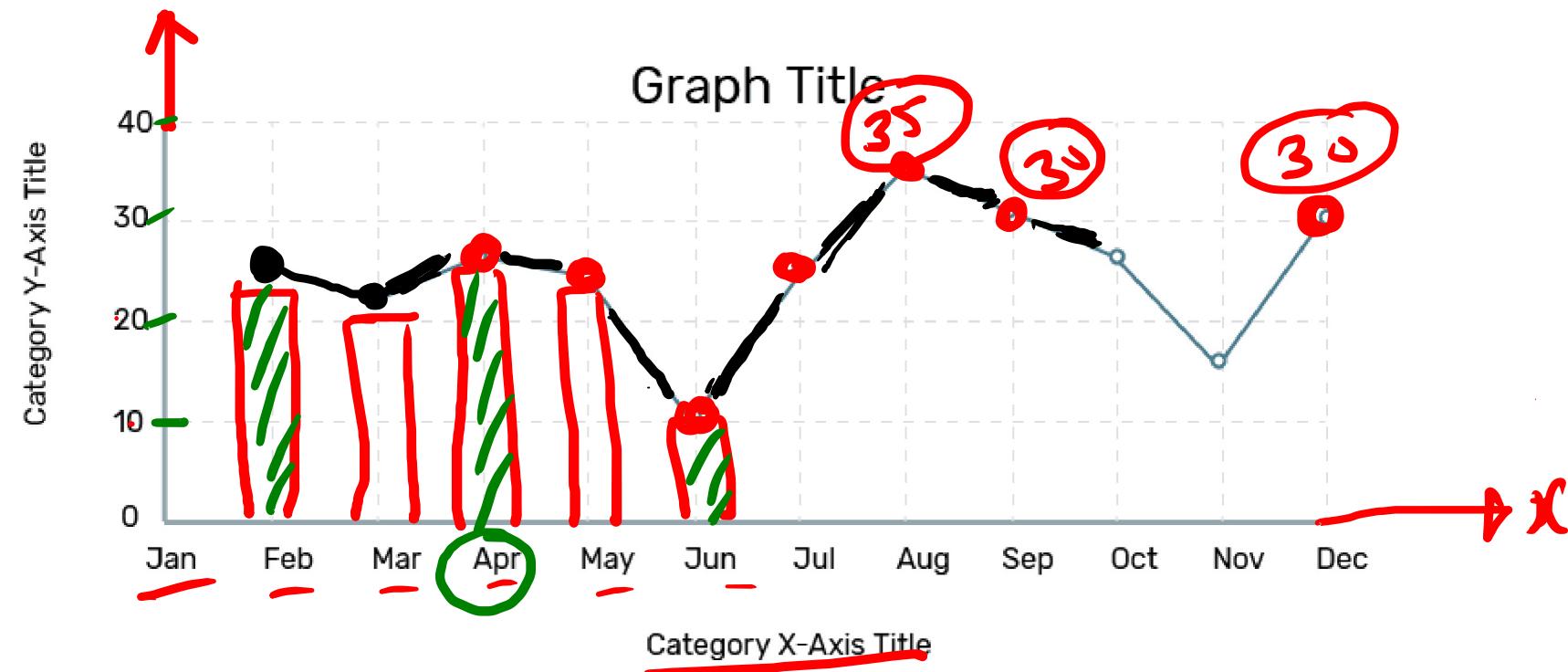


- Venn Diagram
- Syllogism
- Series
- Analogy
- Puzzle



- Coding & Decoding
- Distance & Direction
- Blood Relation
- Seating Arrangements
- Clock & Calendar

✓ Line Graph

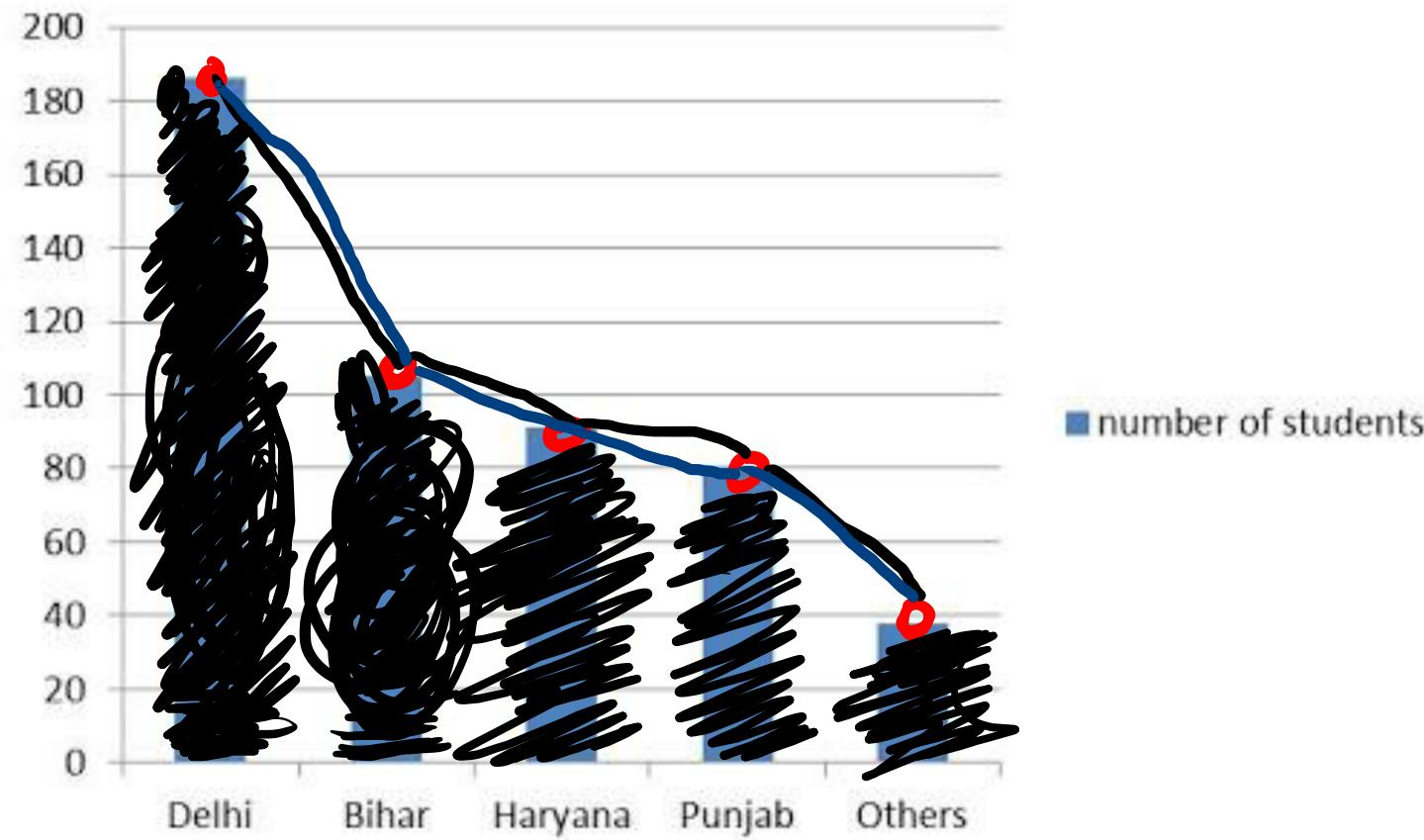


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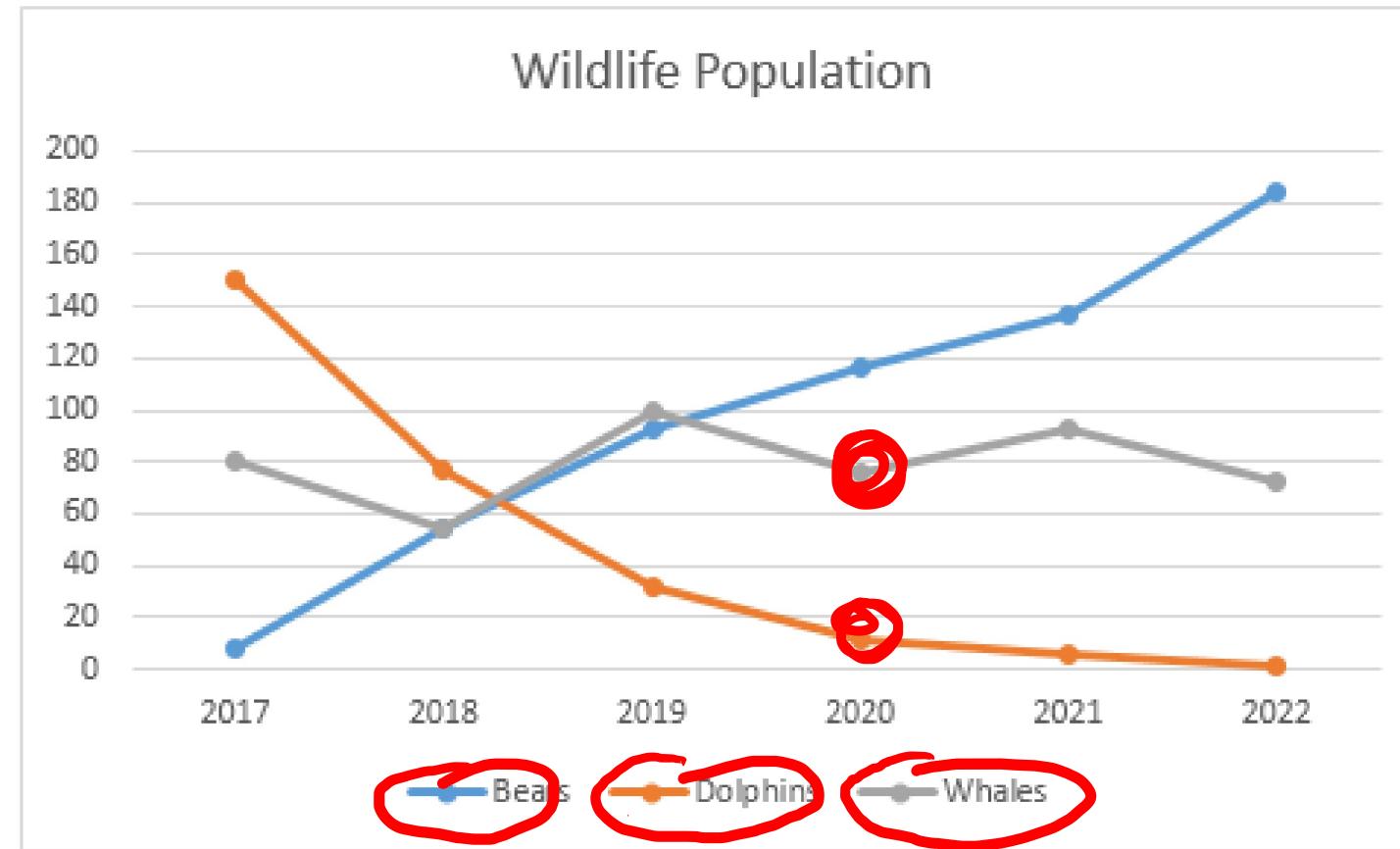
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Line Graph



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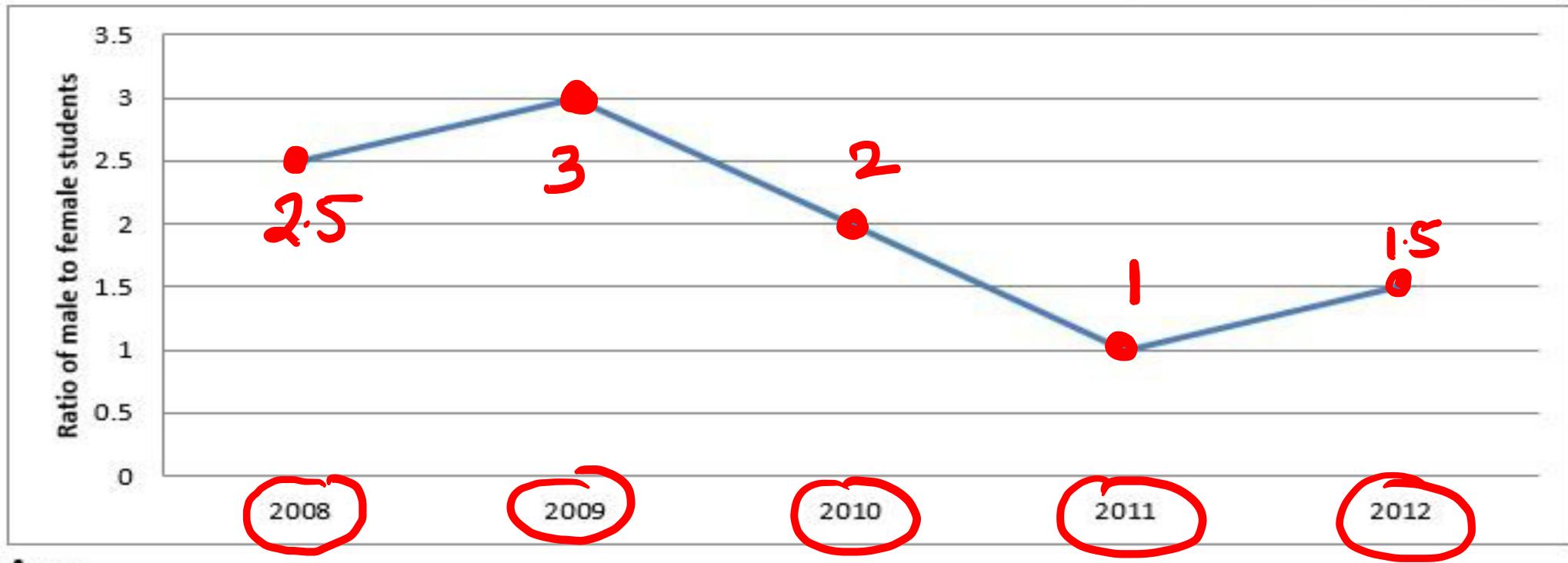
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- 1) The ratio of male to female students in a college for five years is plotted in the following line graph. If the number of female students doubled in 2009, by what percent did the number of male students increase in 2009?

[GATE 2014, 2 MARKS (EE)]



Ans:

$$\left(\frac{M}{F}\right)_{2008} = 2.5 = \frac{5}{2} + 7$$

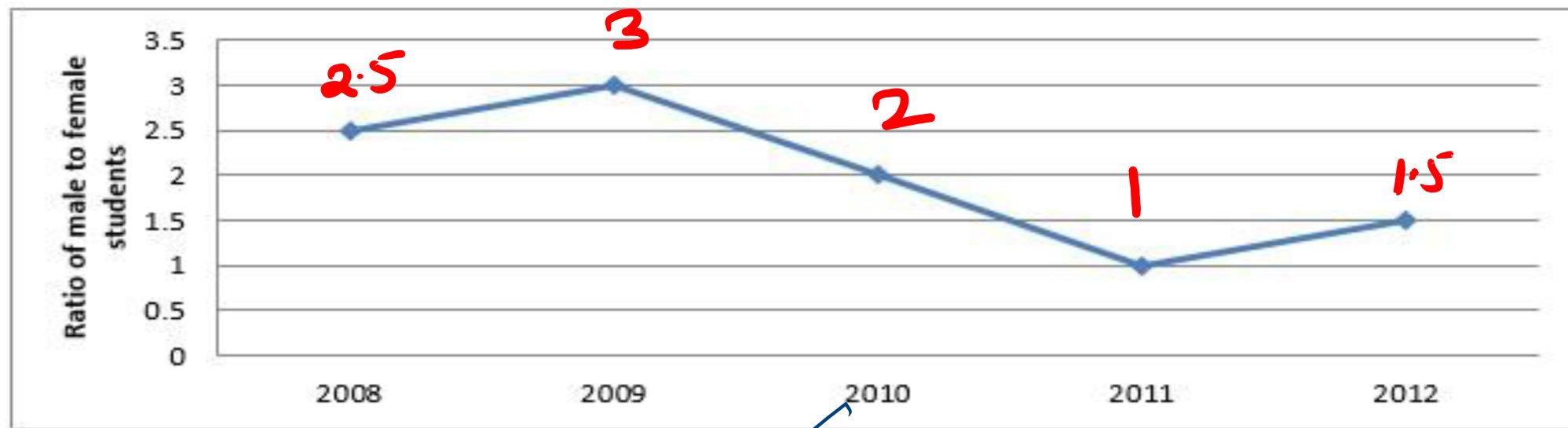
$$\left(\frac{M}{F}\right)_{2009} = 3 = \frac{3}{1} = \frac{12}{4}$$

$$\frac{7}{5} \times 100 = 140\%$$



2) The ratio of male to female students in a college for five years is plotted in the following line graph. If the number of female students in 2011 and 2012 is equal. What is the ratio of male students in 2012 to male students in 2011?

[GATE 2014, 2 MARKS (EE)]



A) 1:1

B) 2:1

C) 1.5:1

D) 2.5:1

$$\left(\frac{M}{F}\right)_{2011} = 1 = \frac{1}{1} = \frac{2}{2}$$

$$\left(\frac{M}{F}\right)_{2012} = 1.5 = \frac{3}{2} = \frac{3}{2}$$

$$\frac{\left(\frac{M}{F}\right)_{2012}}{\left(\frac{M}{F}\right)_{2011}} = \frac{3}{2} = \frac{1.5}{1}$$

- ① Tabulation
- ② Pie - chart
- ③ Bar - Diagram
- ④ Line - graph

ques

Sunday

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Pattern

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General Aptitude Full Length Live Test - 3



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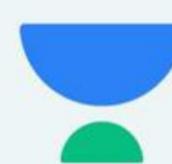
Most Expected General Aptitude Questions for GATE - Part 9

Educator highlights

- ★ Worked at GATE ACADEMY
- ★ Cracked GATE Exam Multiple time
- 📍 Lives in Durg, Chhattisgarh, India
- ⌚ Unacademy Educator since 29th September, 2020
- ⌚ 107,652 live minutes taught in last 30 days

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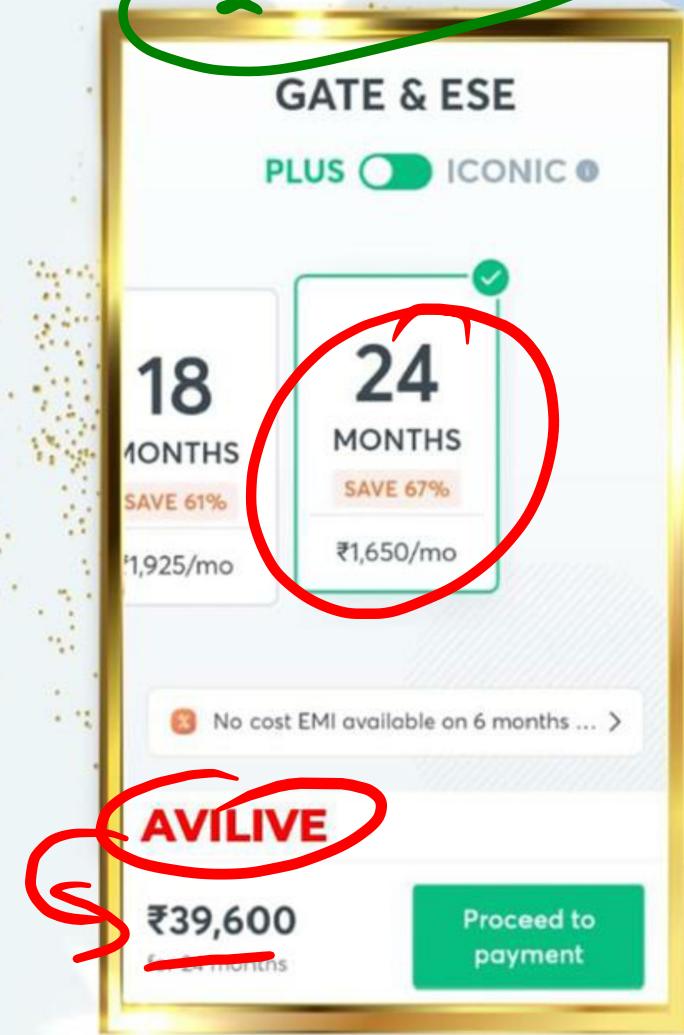
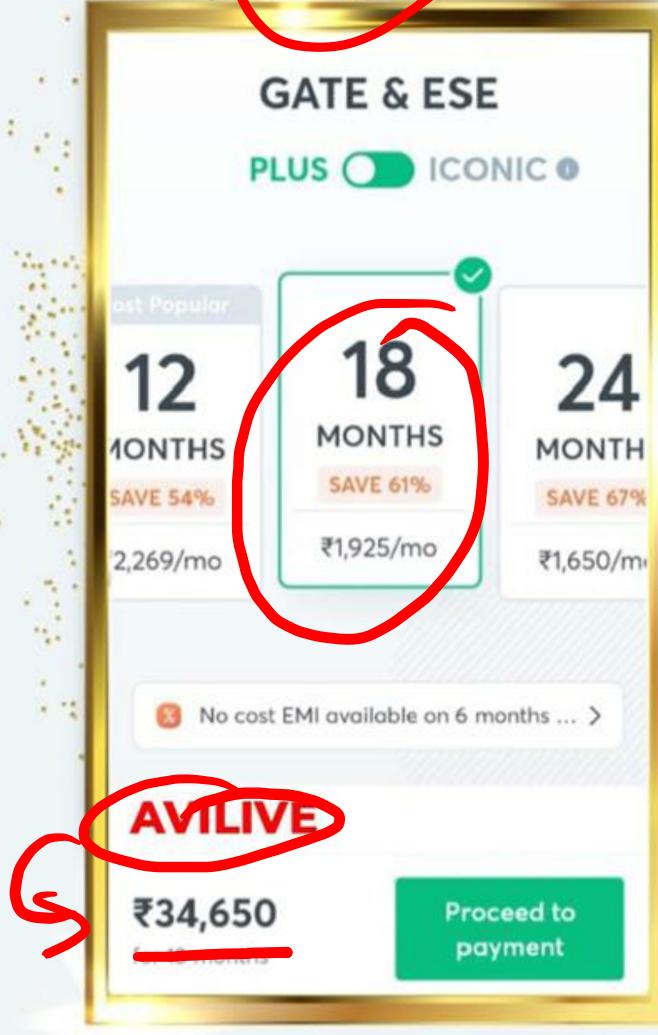
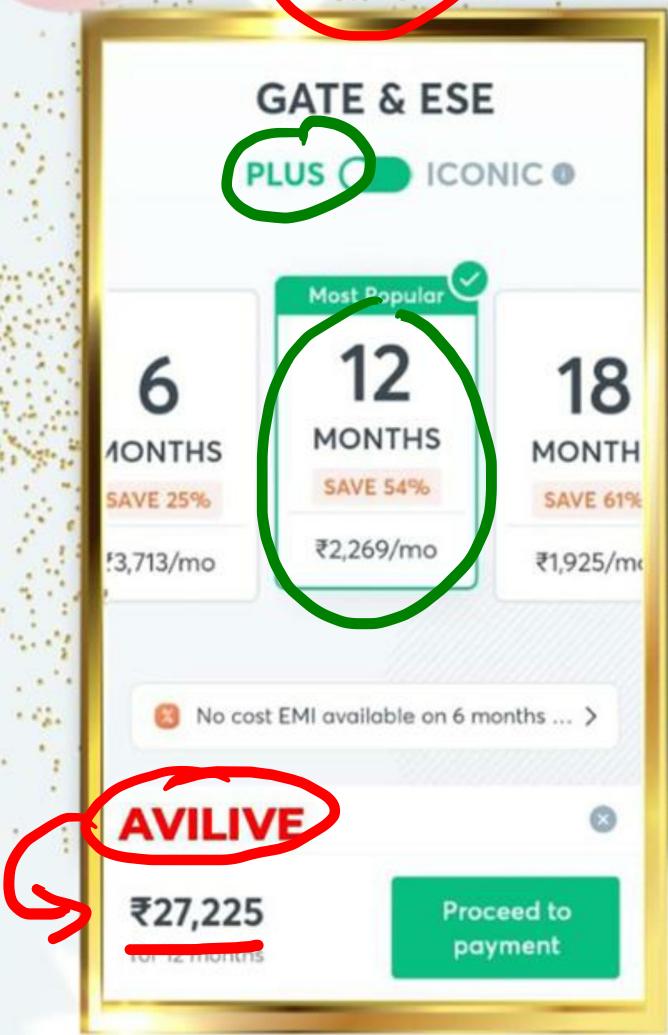
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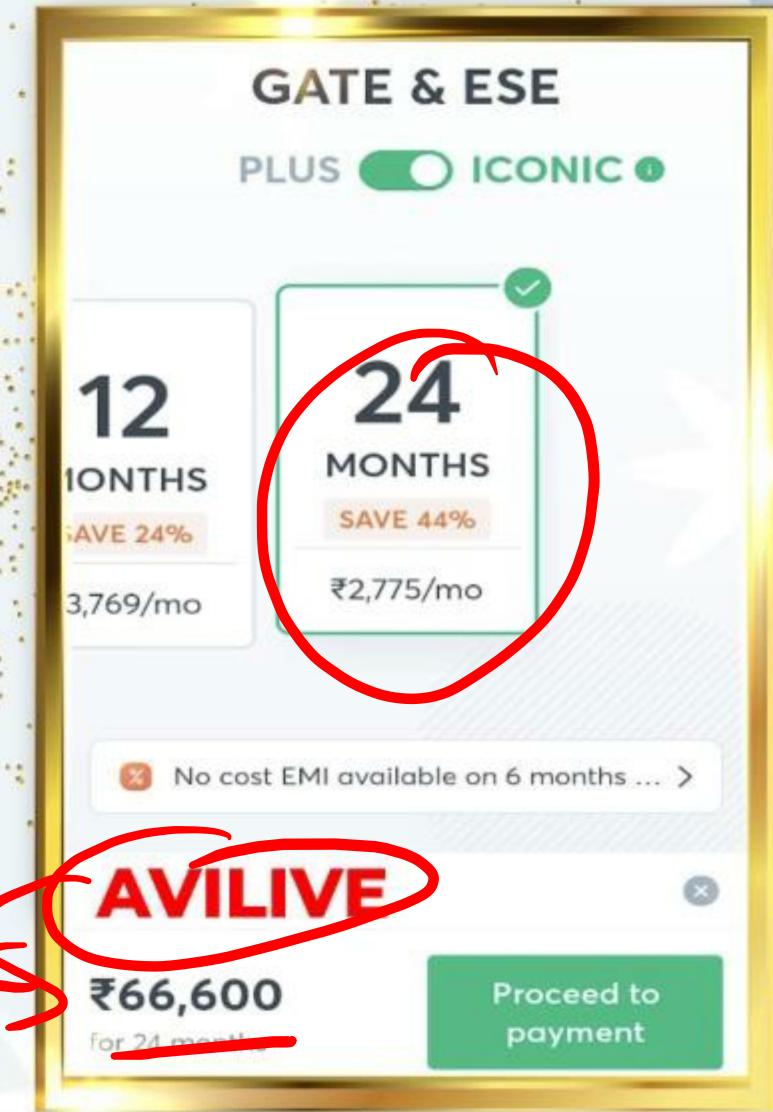
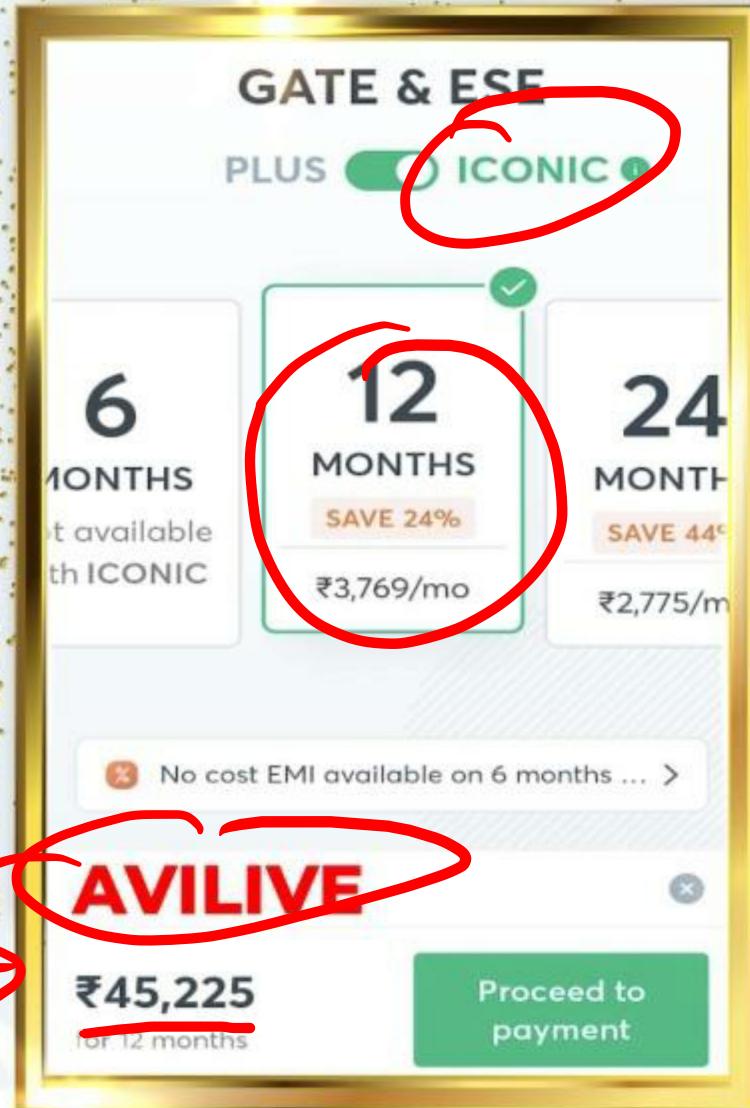
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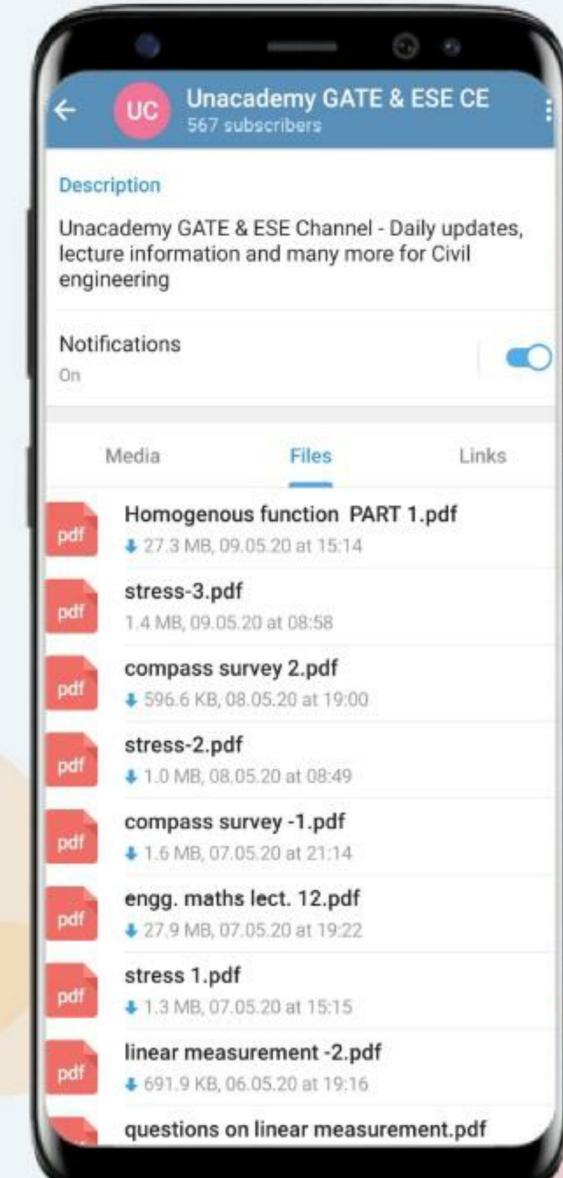


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