Selection adda
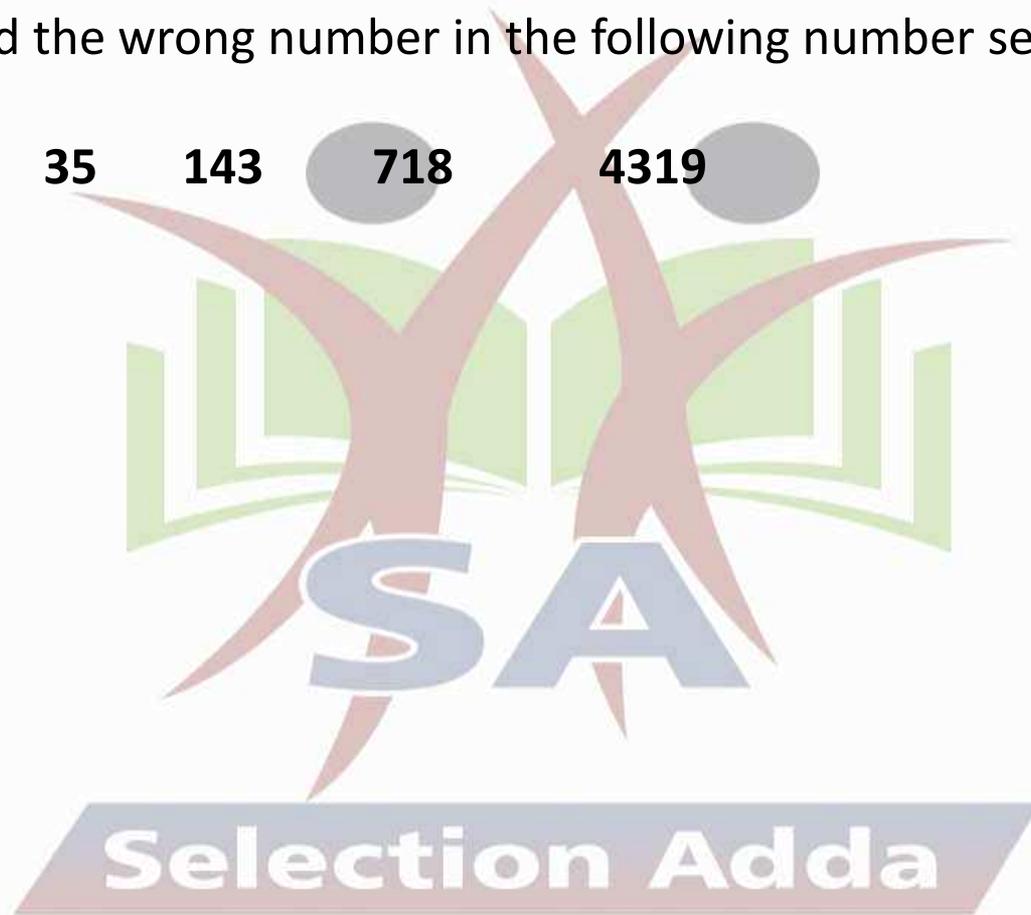
math

IBPS PO

EXPECTED PAPER -2

by shubham sir

contact-below redz saloon near lok sewa ayog gate no. 2 t.b sapru marg civil lines prayagraj-9721 581 581

Directions : Find the wrong number in the following number series:

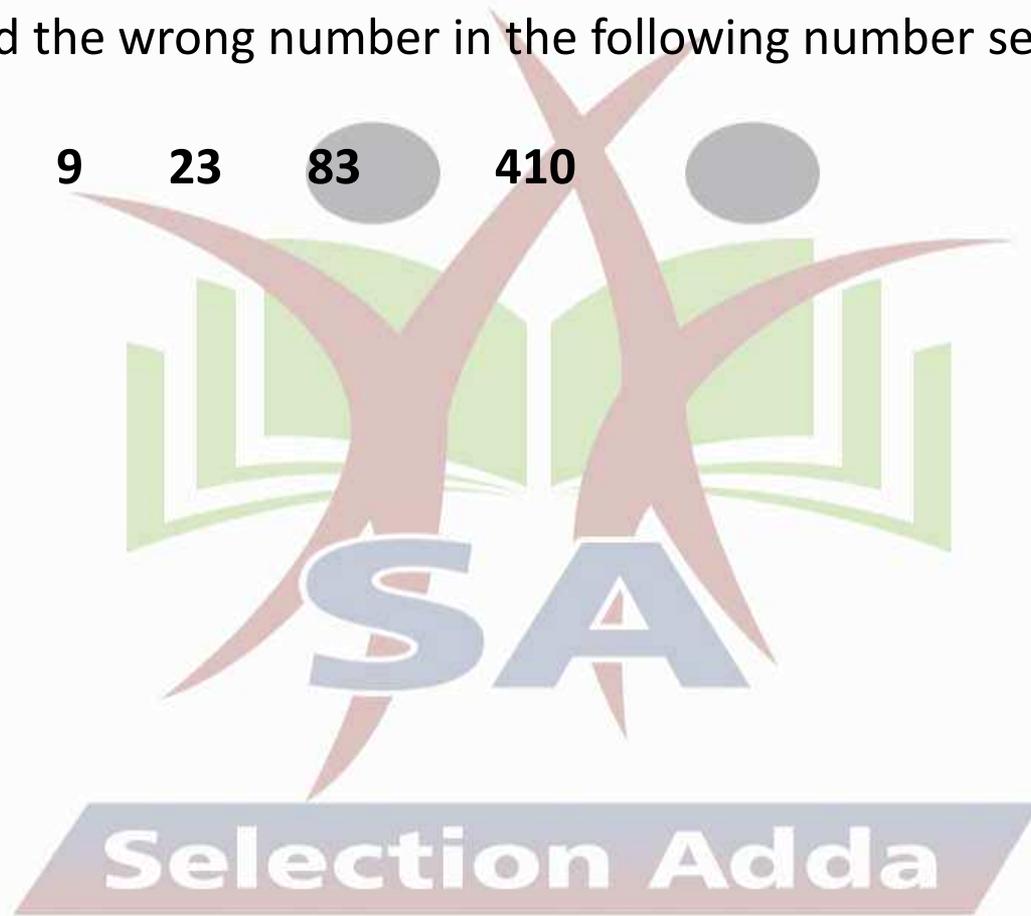1.   5   11   35   143   718   4319

a) 5
b) 11
c) 4319
d) 243
e) 718

Directions : Find the wrong number in the following number series:
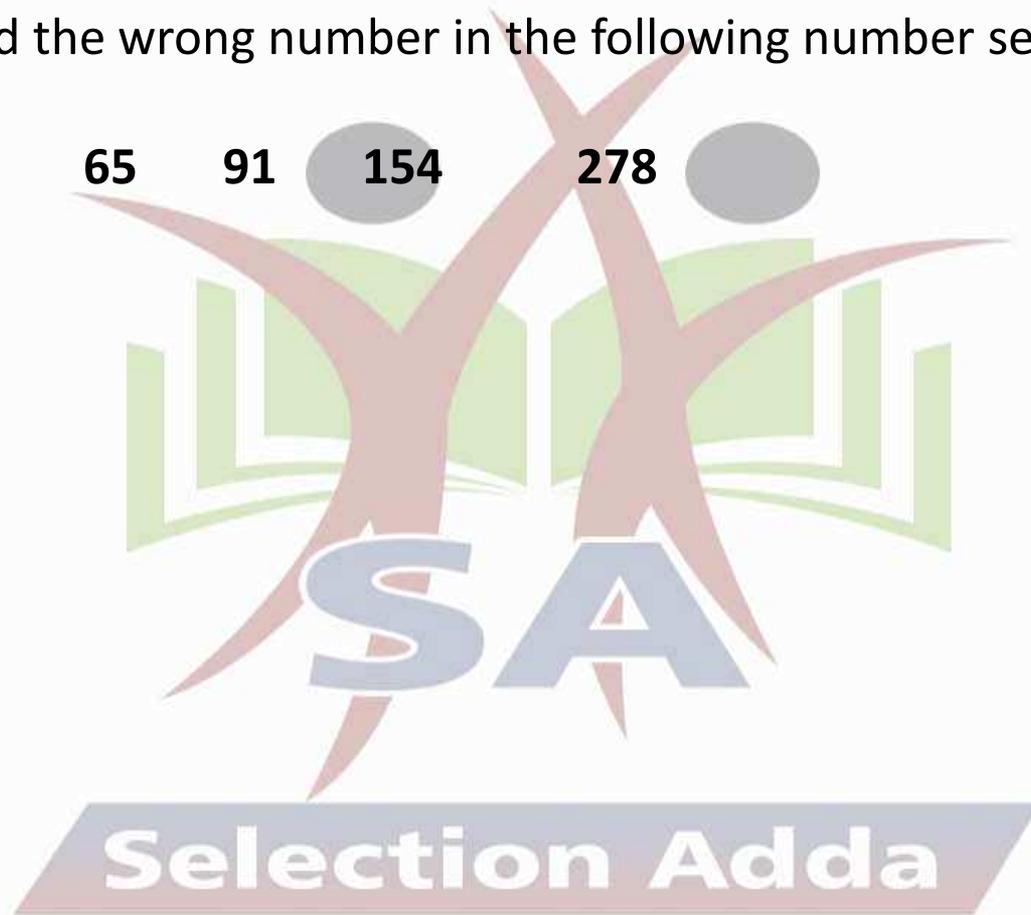
2.   12   7   9   23   83   410

a) 83
b) 23
c) 9
d) 410
e) 12

Directions : Find the wrong number in the following number series:

3.   58   59   65   91   154   278
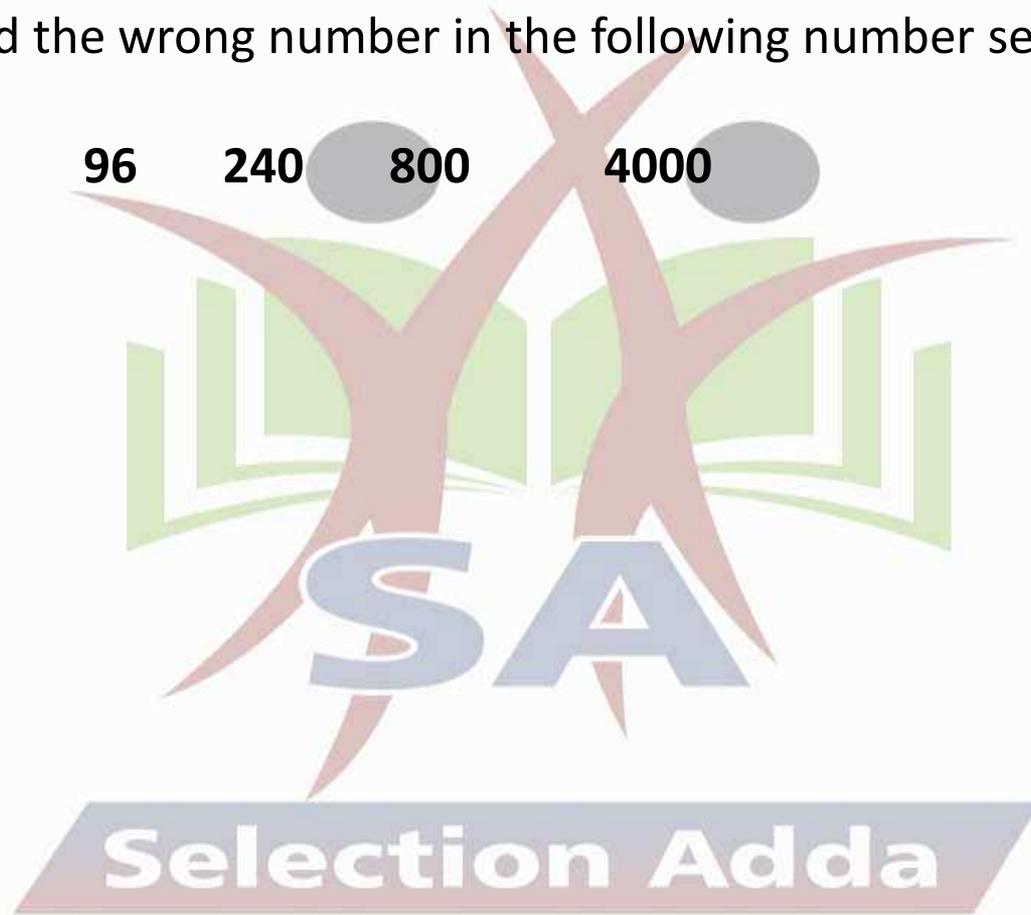
a) 91
b) 278
c) 154
d) 59
e) 58

Directions : Find the wrong number in the following number series:
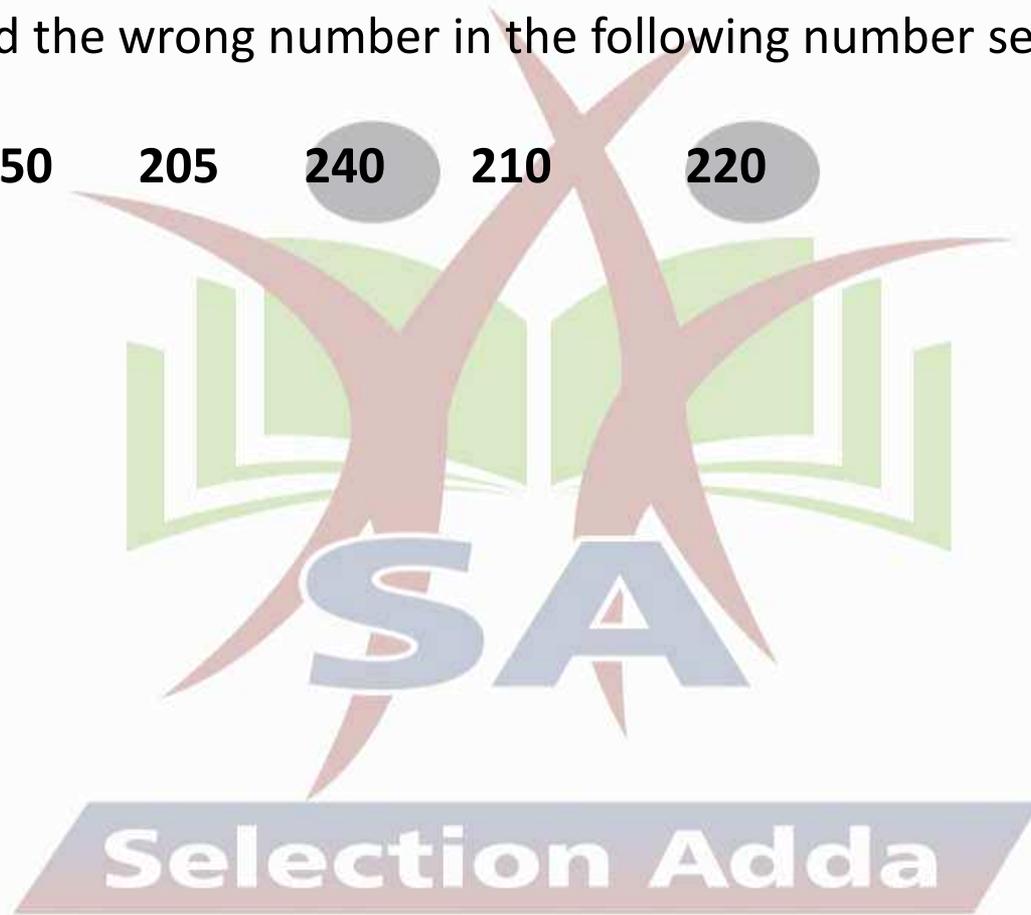
4.   30   48   96   240   800   4000

a) 240
b) 48
c) 30
d) 4000
e) 800

Directions : Find the wrong number in the following number series:

5.   200   250   205   240   210   220

a) 240
b) 250
c) 205
d) 210
e) 220

Direction (6-10): What approximate value should come in place of question mark (?) in the following questions? (Note: You are not expected to calculate the exact value)

Q6. $24.998 \times 10.010 + \sqrt{2116} = ? + 35.998$

a) 178
b) 168
c) 203
d) 145
e) 138
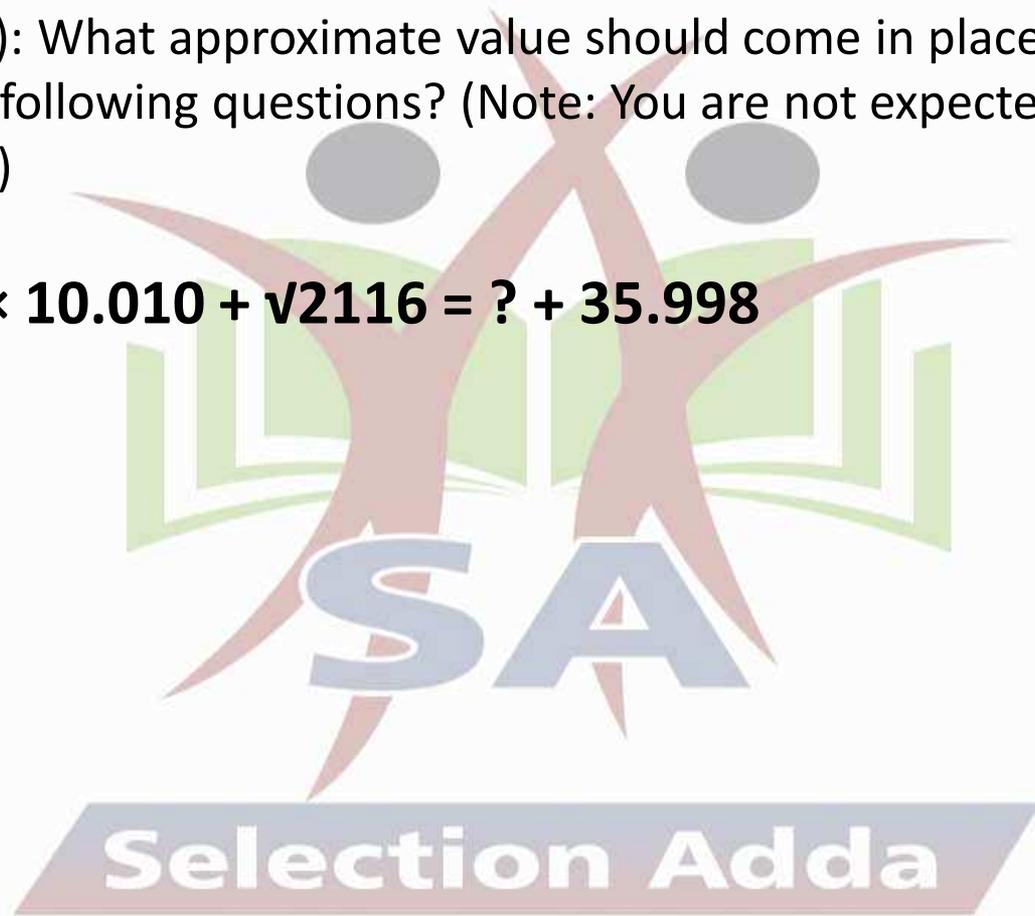
Q7. $768.16 \div 11.87 \times \sqrt{257} - 58.05 = ?$

(a) 1033
(b) 1175
(c) 966
(d) 880
(e) 975

Q8. (? ÷ 9.97) × 12.08 = 20.12% of 1319.97

(a) 220
(b) 240
(c) 260
(d) 280
(e) 200

Q9. 28% of 420 + 36% of 540 = ?

 (a) 312
(b) 288
(c) 296
(d) 318
(e) 324

Q 10.   (85410 + 36885 + 24705) ÷ 1600 = ?

A) 92
b) 73
c) 54
d) 26
e) 108

Direction(11-315): Study the following information to answer the questions.

Days	Hotel	A	Hotel	B
	Number of customer(male + female	% of male customer	Number of customer (male + female	% of male customer
monday	190	30%	480	40%
tuesday	280	40%	188	50%
wednesday	350	60%	200	60%
thursday	400	35%	120	75%

11. On Wednesday, in hotel A, 30% of male customers and 70% of female customers were from Town X. what was the number of customers in hotel A from town X on Wednesday? A. 161 B. 183 C. 181 D. 153 E. 157

Days	Hotel	A	Hotel	B
	Number of customer(male + female	% of male customer	Number of customer (male + female	% of male customer
monday	190	30%	480	40%
tuesday	280	40%	188	50%
wednesday	350	60%	200	60%
thursday	400	35%	120	75%

12. The number of customers (male + female) in hotel A and B are increased by 50% and 15% respectively from Thursday to Saturday. If the total number of female customers in hotel A and B together was equal on Thursday and Saturday, what was the total number of male customers in hotel A and B together on Saturday? A. 458 B. 438 C. 442 D. 448 E. 452

Direction(11-15): Study the following information to answer the questions.

Days	Hotel	A	Hotel	B
	Number of customer(male + female	% of male customer	Number of customer (male + female	% of male customer
monday	190	30%	480	40%
tuesday	280	40%	188	50%
wednesday	350	60%	200	60%
thursday	400	35%	120	75%

13. In hotel B, the ratio of female customers on Tuesday and Friday was 2 : 3. If on Friday, female customers constituted 50% of the number of customers (male + female), then what was the number of customers (male + female) in hotel B on Friday?

A. 288 B. 296 C. 294 D. 282 E. 276

Direction(11-15): Study the following information to answer the questions.

Days	Hotel A		Hotel B	
	Number of customer(male + female	% of male customer	Number of customer (male + female	% of male customer
monday	190	30%	480	40%
tuesday	280	40%	188	50%
wednesday	350	60%	200	60%
thursday	400	35%	120	75%

14. In hotel A, what is the difference between the total number of male customers on Monday and Tuesday together and that on Wednesday and Thursday together?

A. 183 B. 177 C. 185 D. 187 E. 181

Direction(11-15): Study the following information to answer the questions.

Days	Hotel	A	Hotel	B
	Number of customer(male + female	% of male customer	Number of customer (male + female	% of male customer
monday	190	30%	480	40%
tuesday	280	40%	188	50%
wednesday	350	60%	200	60%
thursday	400	35%	120	75%

15. What is the average number of male customers in hotel B on Monday, Wednesday and Thursday? A. 134 B. 188 C. 185 D. 175 E. 184
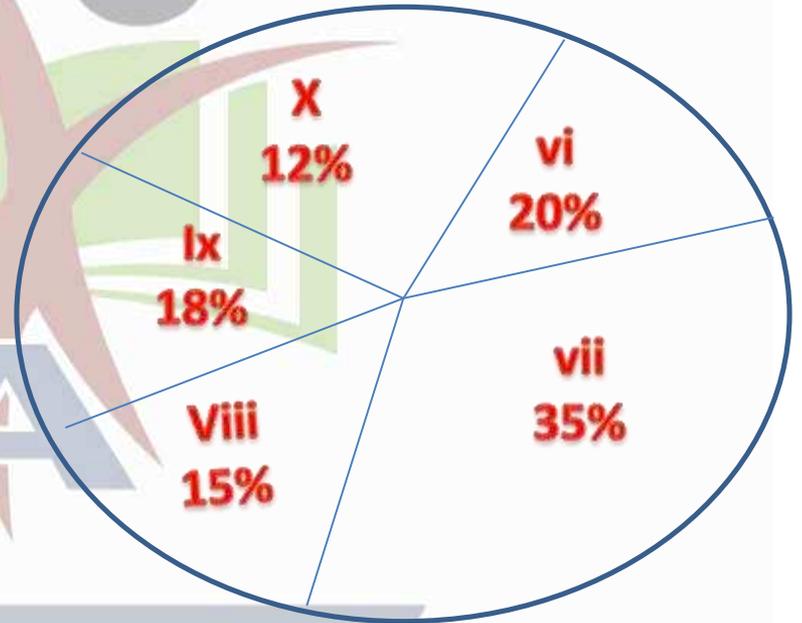
Direction (16-20): Study the pie chart carefully and answer the given questions. The pie chart shows the percentage breakup of students in different classes from VI to X in the year 2017

Total Student=2200

16. The total number of students study in class VI and class IX together is approximately what percentage more than that of the total number of students study in class X?

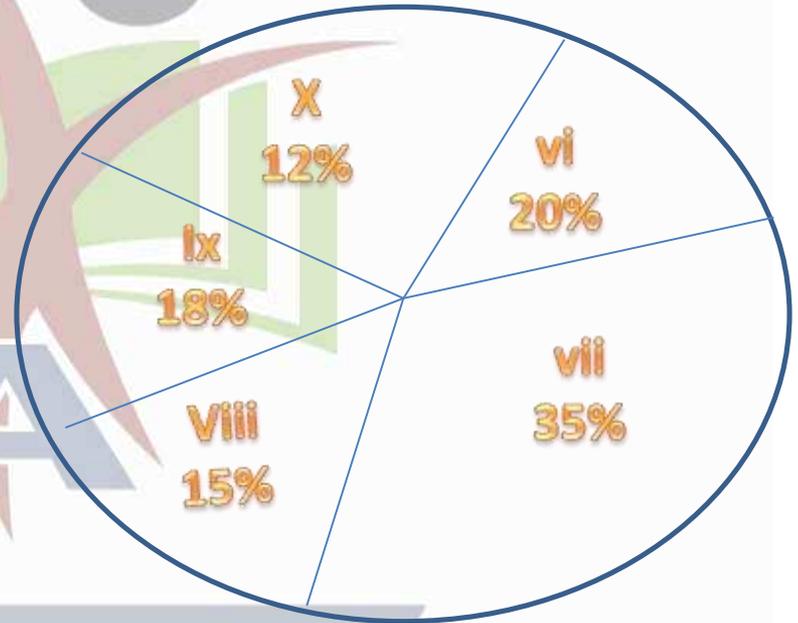A. 125% B. 280% C. 217% D. 189% E. 77%

X 12%

vi 20%

Ix 18%

vii 35%

Viii 15%

Direction (16-20): Study the pie chart carefully and answer the given questions. The pie chart shows the percentage breakup of students in different classes from VI to X in the year 2017 Total Student=2200

17. If in class VI, the ratio of boys to girls is 6:5 and the total number of girls in class VI is 50 less than that of the total number of girls in class VII. Find the ratio of the total number of boys in class VI to class VII.

A. 5:7 B. 7:11 C. 9:13 D. 6:13 E. 4:5

Pie chart:
- X 12%
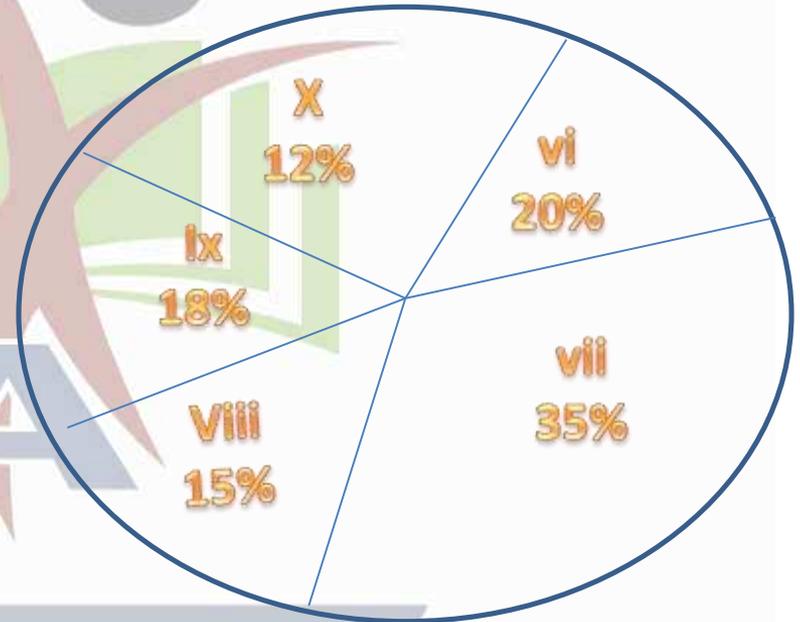- vi 20%
- ix 18%
- vii 35%
- viii 15%

Selection Adda

Direction (16-20): Study the pie chart carefully and answer the given questions. The pie chart shows the percentage breakup of students in different classes from VI to X in the year 2017   Total Student=2200

18. If in 2018, the total number of students in class VI and class VII is increased by 10% each and the total number of students in class VIII is decreased by 20% then what is the difference between the total number of students in class VI and VII together in 2018 to that of the total number of students in class VIII in 2018?

A. 976 B. 1067 C. 1156 D. 1078 E. 878

X 12%
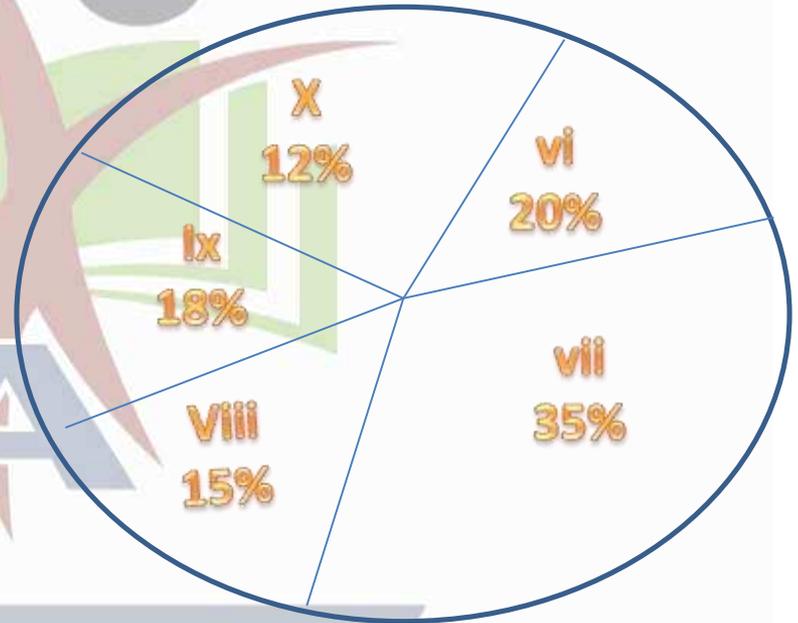vi 20%
Ix 18%
vii 35%
Viii 15%

Selection Adda

Direction (16-20): Study the pie chart carefully and answer the given questions. The pie chart shows the percentage breakup of students in different classes from VI to X in the year 2017   Total Student=2200

19. If the total number of boys in class VIII is "x" and the total number of boys in class IX is "x+40". The total number of girls in class VIII and class IX together is 306. Then find the value of "x".

A. 190 B. 210 C. 174 D. 184 E. 196


X
12%

vi
20%

Ix
18%

vii
35%

Viii
15%

Selection Adda

Direction (16-20): Study the pie chart carefully and answer the given questions. The pie chart shows the percentage breakup of students in different classes from VI to X in the year 2017   Total Student=2200

20. What is the difference between the total number of students in class VII and class VIII together to that of the total number of students in class IX and class X together?

A. 480 B. 520 C. 440 D. 400 E. 560

X
12%

vi
20%

Ix
18%

vii
35%

Viii
15%
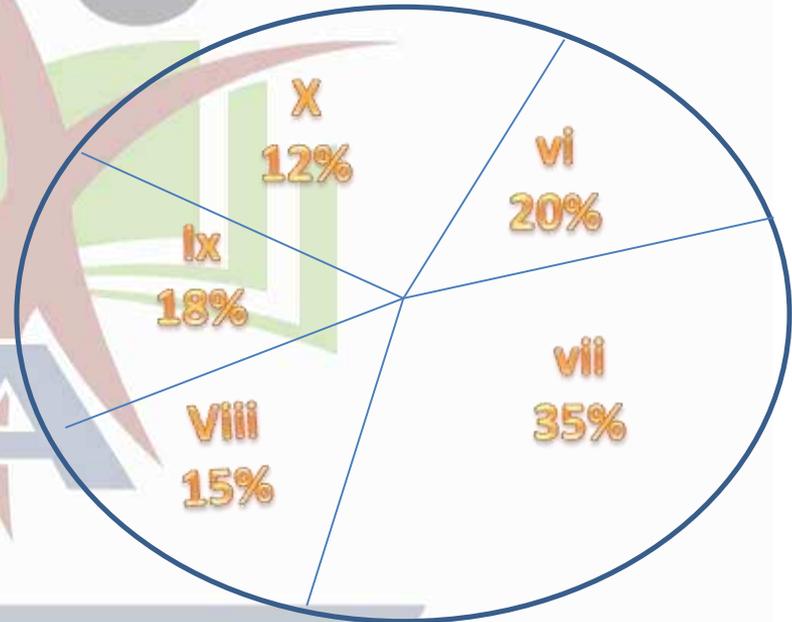
Directions (21-25): The following questions are accompanied by two statements A and B. You have to determine which statements(s) is/are sufficient/necessary to answer the questions.

(a) Statement A alone is sufficient to answer the question but statement B alone is not sufficient to answer the questions.

(b) Statement B alone is sufficient to answer the question but statement A alone is not sufficient to answer the question.

(c) Both the statements taken together are necessary to answer the questions, but neither of the statements alone is sufficient to answer the question.

(d) Either statement A or statement B by itself is sufficient to answer the question.

(e) Statements A and B taken together are not sufficient to answer the question

Q21. What is the value of rate of interest?

A. A sum of Rs 8000 is invested at simple interest for 3 years in scheme A which offers a certain rate of interest. Amount obtained from scheme A is equal to the amount obtained when Rs 9000 is invested in scheme B for 2 years at C.I.

B. Rate of interest for scheme B is same as rate of interest for scheme A.

Q22. 4 men & 18 women can do a piece of work in 2.5 days, then in how many days 12 woman can complete the same piece of work?
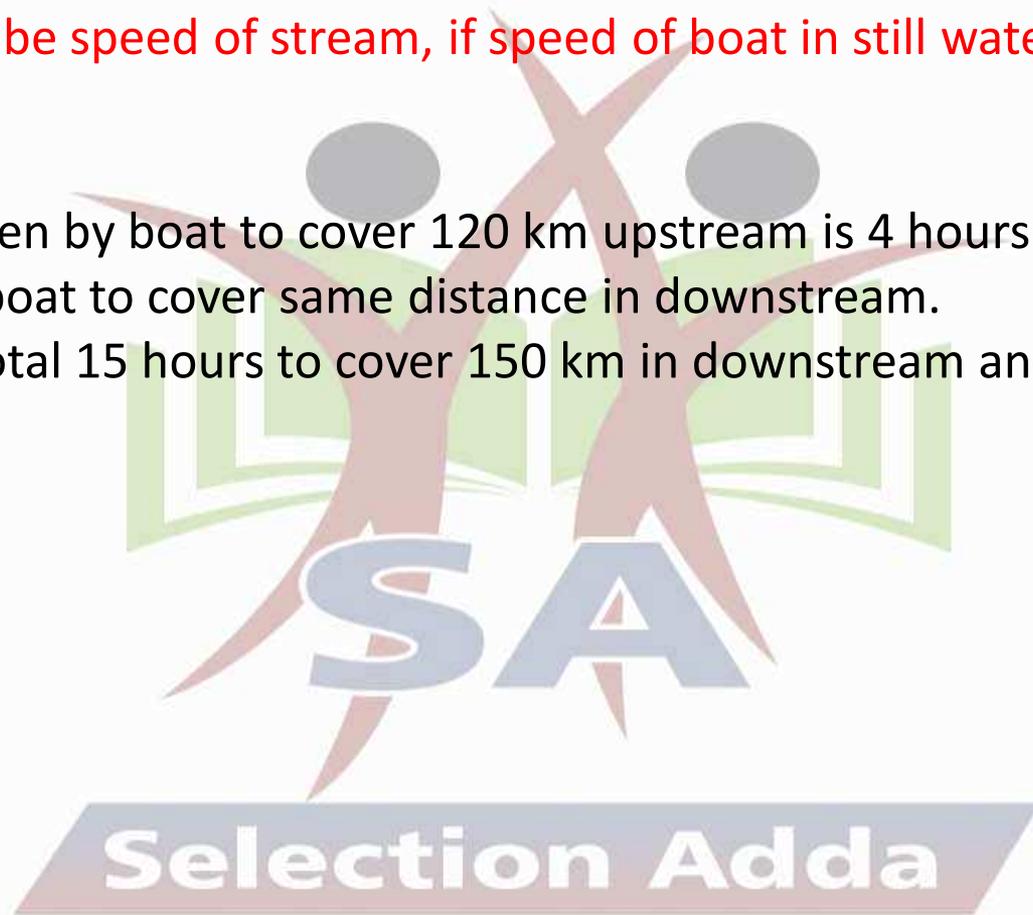
A. Ratio of efficiency of men to women is 3 : 2.
B. 6 men & 6 women can complete the same work in 4 days
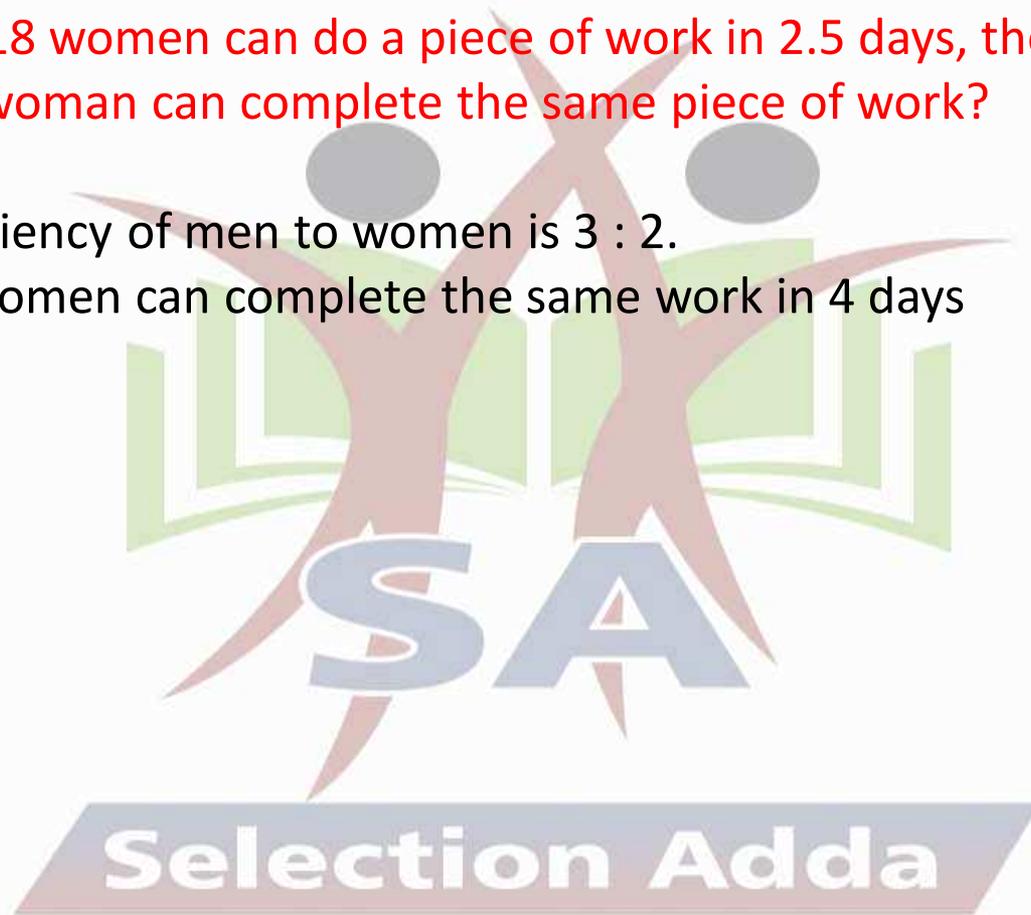
Q23. What will be speed of stream, if speed of boat in still water is 22.5 km/hr?
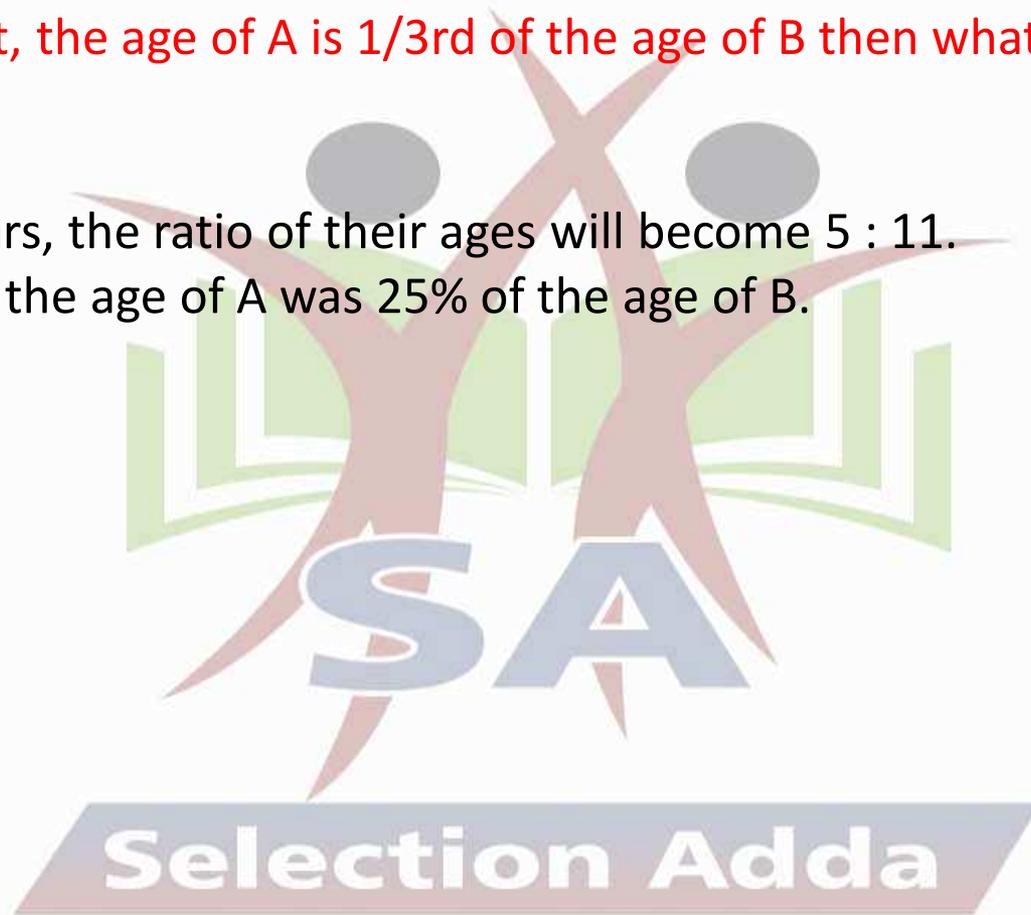
A. The time taken by boat to cover 120 km upstream is 4 hours more than time taken by boat to cover same distance in downstream.
B. Boat takes total 15 hours to cover 150 km in downstream and upstream.

Q24. At present, the age of A is 1/3rd of the age of B then what are their ages?

A : After 10 years, the ratio of their ages will become 5 : 11.
B : 5 years age, the age of A was 25% of the age of B.

Q25. What should be the selling price of washing machine so as to make a profit of 25%?

A: An electronic shop dealer marks washing machine 80% above the cost price and after allowing a discount of 25% he claims a profit of Rs. 3500.
B: A shopkeeper sold the same washing machine for Rs. 15000 on the condition that shopkeeper will pay the transportation cost of Rs 2000 and he gets a profit of 25%.
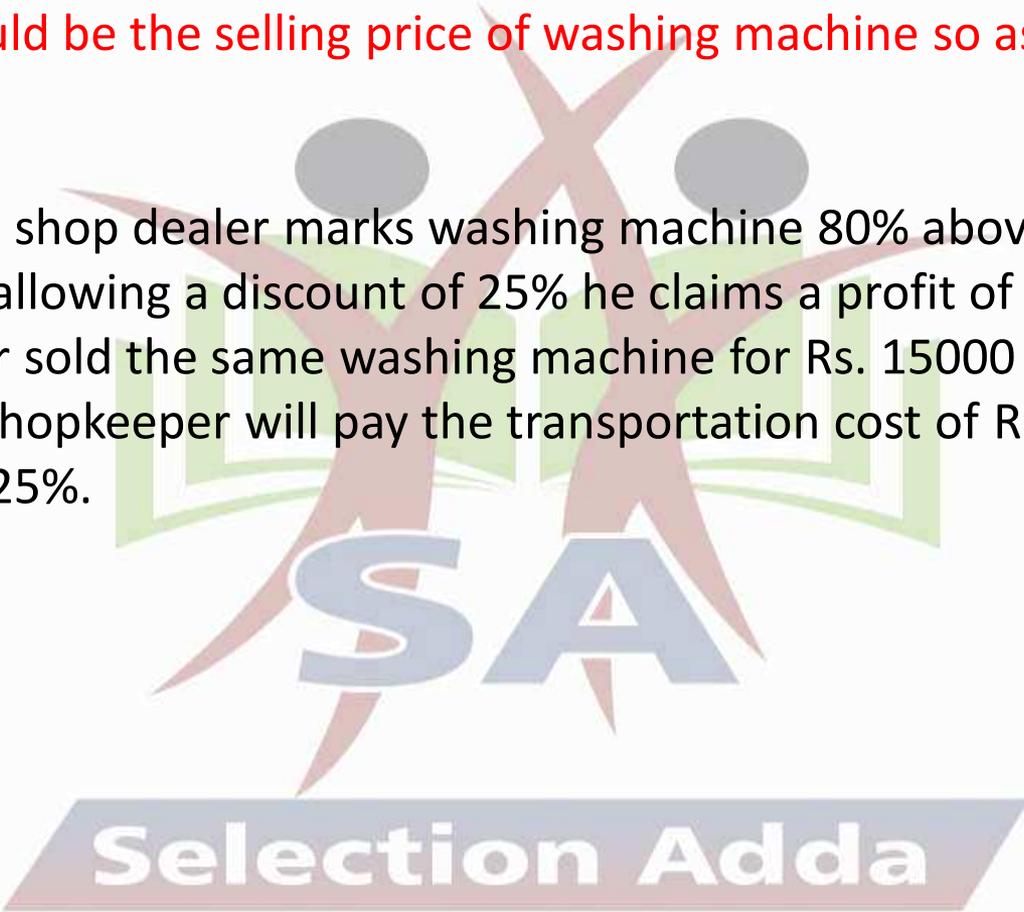
Q26. Train A can cross a man in 8 sec and a 180 m long platform 'P' in 17 sec. If train A cross train B which is running in opposite direction at speed of 108 km/hr in 8 sec, then find time taken by train B to cross platform P?

ट्रेन A एक आदमी को 8 सेकंड में और 180 मीटर लंबा प्लेटफॉर्मP को 17 सेकंड में पार कर सकती है । यदि ट्रेन A ट्रेन B ,जो कि 108 किमी / घंटा की गति से विपरीत दिशा में चल रही है, को 8 सेकंड में पार कर सकती है , तो ट्रेन B द्वारा प्लेटफॉर्म P को पार करने में लगने वाला समय ज्ञात कीजिए?

(a) 16 sec
(b) 11 sec
(c) 14 sec
(d) 12 sec
(e) 15 sec

Q 27. Rahul got married 6 years ago. The average age of Rahul and Rahul's wife at the time of marriage was 25.5 years. Present age of rahul and rahul's wife are in the ratio 4 : 3 respectively, find the present age of Rahul?

राहुल की शादी 6 साल पहले हुई थी। शादी के समय राहुल और राहुल की पत्नी की औसत आयु 25.5 वर्ष थी। राहुल और राहुल की पत्नी की वर्तमान आयु क्रमशः 4: 3 के अनुपात में है, राहुल की वर्तमान आयु ज्ञात करें?

A) 36
b) 27
c) 24
d) 38
e) 42

28. A shopkeeper sells an article at 20% profit. If he purchased it for Rs. 100 less and also sells it for Rs. 100 less, then he gains a profit of 25%. Find the cost price of article?

एक दुकानदार 20% लाभ पर एक वस्तु बेचता है। यदि वह इसे 100 रूपये कम पर खरीदता है और इसे 100 रूपये कम पर बेचता है, तो वह 25% का लाभ प्राप्त करता है। वस्तु की लागत मूल्य ज्ञात कीजिये?

A) 400

b) 300

c) 500

d) 450

e) 750

29. If time taken to cover 'D-11' km upstream is four times the time taken to cover D km downstream. If ratio of speed of boat in still water to the speed of water current is 9 : 7. the time taken to cover 'D-2' km in upstream is 2 hrs. what will be the speed of boat in still water

यदि 'D-11' किमी अपस्ट्रीम को कवर करने के लिए लिया गया समय , D किमी डाउनस्ट्रीम को कवर करने में लगने वाला समय का चार गुना है। शांत पानी में नाव की गति का धारा की गति से   अनुपात 9 : 7. है ऊपर की ओर-D-2 'किमी को कवर करने के लिए लिया गया समय 2 घंटे है। शांत पानी में नाव की गति क्या होगी
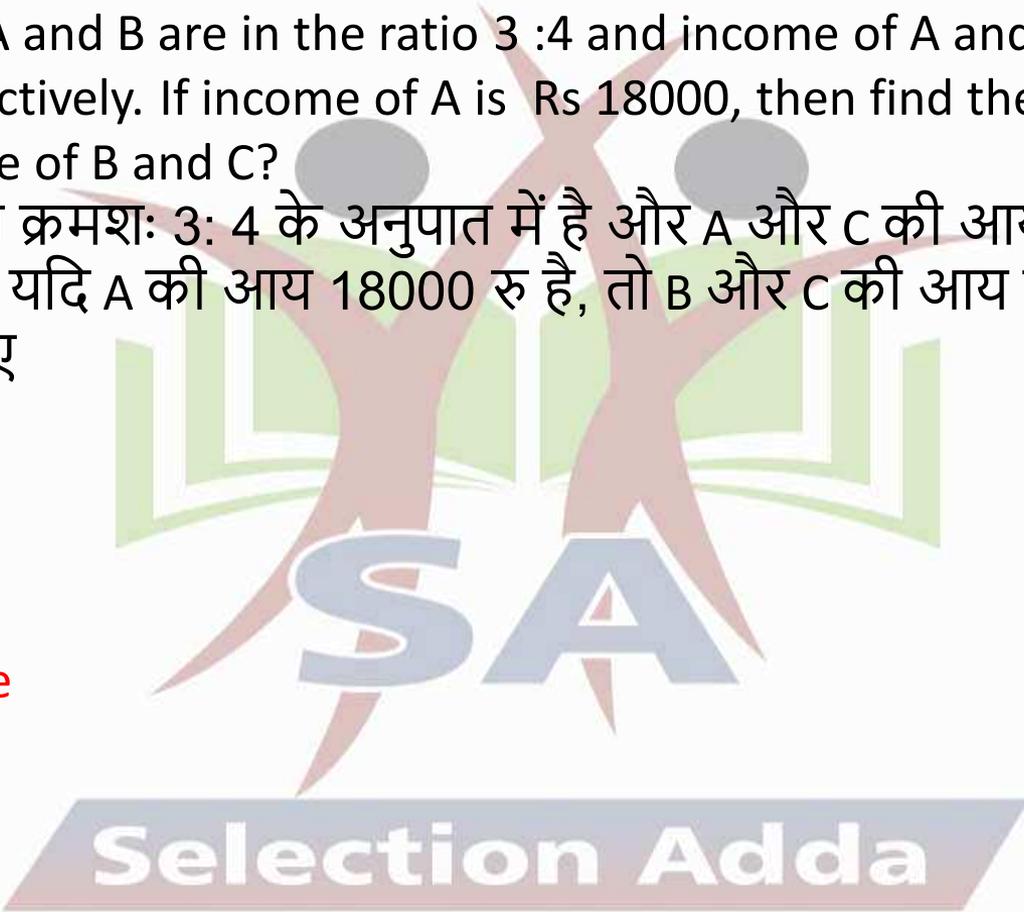
1-30

2-20

3-45

4-35

5-42

30. Income of A and B are in the ratio 3 :4 and income of A and C are in the ratio 2 : 3 respectively. If income of A is Rs 18000, then find the difference between income of B and C?

A और B की आय क्रमशः 3: 4 के अनुपात में है और A और C की आय क्रमशः 2: 3 के अनुपात में है। यदि A की आय 18000 रु है, तो B और C की आय के बीच का अंतर ज्ञात कीजिए
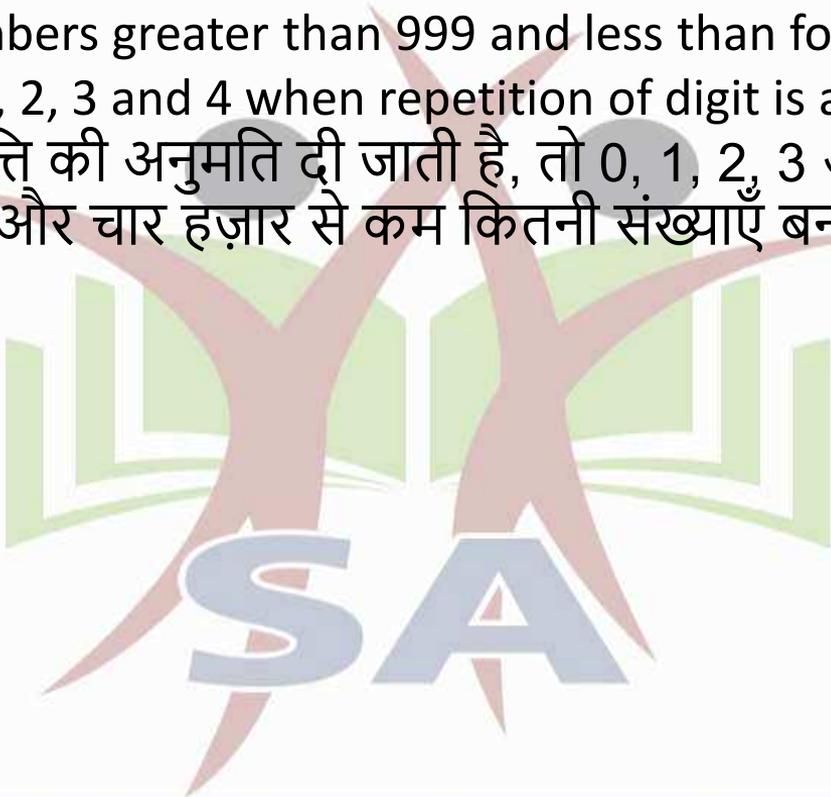
a) 3000

b) 2000

c) 2500

d) 3600

e) none of these

31. How many numbers greater than 999 and less than four thousand can be formed using 0, 1, 2, 3 and 4 when repetition of digit is allowed

जब अंकों की पुनरावृत्ति की अनुमति दी जाती है, तो 0, 1, 2, 3 और 4 का उपयोग करके 999 से अधिक और चार हज़ार से कम कितनी संख्याएँ बनाई जा सकती हैं

(a)   499
(b)   375
(c)   501
(d)   500
(e)   376

32. The ratio of diameter and height of a right circular cylinder is 4 : 3. If diameter of the cylinder get reduced by 25% then its total surface area reduced to 318.5 square meter. What is the circumference of the base of the cylinder.

एक सिलेंडर के व्यास और ऊँचाई का अनुपात 4: 3. है। यदि सिलेंडर का व्यास 25% कम हो जाता है, तो इसका कुल सतह क्षेत्र घटकर 318.5 वर्ग मीटर रह जाता है। सिलेंडर के आधार की परिधि क्या है।

(a) 28
(b) 14
(c) 35
(d) 7
(e) None of these

33. A, B and C invested in a business in the ratio 6 : 8 : 9. If B invested for a period whose numerical value is 112.5% of B's investment but A and C invested for one year. If profit of B at the end of the year is 16750 then what is the share of profit of C?

A, B और C ने 6: 8: 9 के अनुपात में एक व्यवसाय में निवेश किया है। यदि B उस अवधि के लिए निवेश किया गया है जिसका संख्यात्मक मान B के निवेश का 112.5% है, लेकिन A और C ने एक वर्ष के लिए निवेश किया है। यदि वर्ष के अंत में B का लाभ 16750 है तो C के लाभ का हिस्सा क्या है?

(a) 20225
(b) 22125
(c) 25225
(d) 25125
(e) 23125

34. A is twice as efficient as B. A takes 36 days less than B to complete the work, then in how many days A and B together can do it?

A, B से दोगुना कार्य कुशल है । A काम को पूरा करने में B से 36 दिन कम लेता है, तो A और B मिलकर कितने दिनों मे कर सकते हैं?

A) 24
b) 36
c) 72
d) 48
e) 20

35. The price of sugar is increased by 25% due to this a family use 40 kg less sugar so as expenditure will increase by 15% only. Find current consumption.

चीनी का दाम 25% बढ़ जाता है, जिससे परिवार 40 किग्रा. कम चीनी उपयोग करता है तथा कुल खर्च 15% बढ़ जाता है वर्तमान कुल खपत ज्ञात करें

a) 500
b) 460
c) 440
d) 400
e) 420