



Mahendra's

**IBPS RRB 2021****LIVE MOCK
DISCUSSION**

9:00 AM

**Maths**



 UPCOMING ONLINE BATCHES

JULY 2021

07 July 2021

08:00 AM to 10:00 AM

**LIVE PREMIUM
GREEN CARD**
(BANK-PO & CLERK)

BILINGUAL

14 July 2021

10:30 AM to 12:30 PM

**LIVE PREMIUM
SILVER CARD**
(CGL & CHSL)

03:00 PM to 05:00 PM

**LIVE PREMIUM
STATE CARD**
(UPSSSC PET)

BILINGUAL

21 July 2021

01:00 PM to 03:00 PM

**LIVE PREMIUM
GREEN CARD**
(IBPS RRB PO/CLERK)
PRE + MAINS

BILINGUAL

28 July 2021

01:00 PM to 03:00 PM

LIVE PREMIUM BRONZE CARD
(TET)

10:30 AM to 12:30 PM

LIVE PREMIUM GREEN CARD
(IBPS PO & CLERK)

08:00 AM to 10:00 AM

LIVE PREMIUM SILVER CARD
(SSC CGL & CHSL)

BILINGUAL



A AAYUSH SRIVASTAVA 14 hours ago
THANK YOU VERY MUCH SIR FOR TH



REPLY

S sarita rawat 18 hours ago
Homework answer
Option (B) 90 m..... hoga
Awesome session sir □□□□
Thanku so much sir □



REPLY

▼ View reply from Mahendras : On

Rajesh Bhore 13 hours ago
90m



REPLY

Palak Shukla 19 hours ago
Homework answer-----
90 km
Option B
Thankyou sir □□□□



REPLY

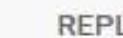
▼ View 2 replies from Mahendras :

A AAYUSH SRIVASTAVA 14 hours ago
HOMEWORK ANSWER-
(B): 90 METRES



REPLY

Juthika Das 20 hours ago
Ans is..90m
Thank u sir □



REPLY

▼ View reply from Mahendras

Indranil Sasmal 19 hours ago
Length = 90m



REPLY

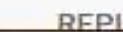
▼ View reply from Mahendras

V Vivek Chandra Gupta 5 hours ago
HW Ans
(B) 90 m



REPLY

S Sachi Pandey 7 hours ago
120mtr



REPLY



Rityaj Seth 19 hours ago
90 m



REPLY

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Rajeshwari Bommana 20 hours ago
B-90mtrs



REPLY

▲ Hide reply



Mahendras : Online Videos For Govt. Exams 17 hours ago

Thank You for your answer !!!

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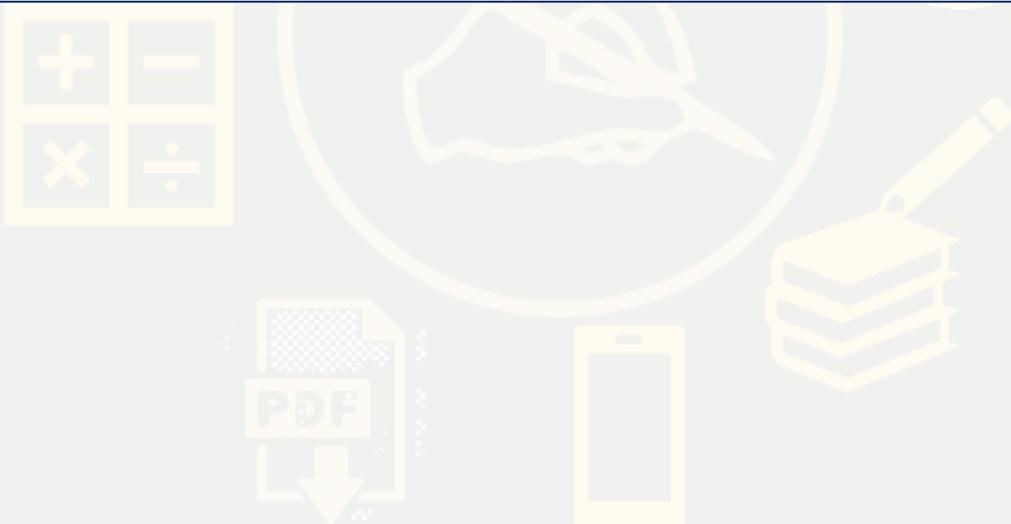
REPLY



51. A train crosses two persons, cycling in the same direction as the train in 12 and 18 seconds respectively. If the speeds of the two cyclists are 9 and 18 km/ph respectively, find the length of the train

एक ट्रेन अपनी ही दिशा में साइकिल चला रहे दो व्यक्तियों को क्रमशः 12 और 18 सेकेण्ड में पार करती है। यदि दो साइकिल चालकों की चाल क्रमशः 9 और 18 किमी / घंटा है, ट्रेन की लम्बाई ज्ञात कीजिये।

- (A)80 meters (B)90meters (C)100 meters (D)110 meters (E)120 meters



52. In one hour, Shiv goes 12 km along the stream and 6 km against the stream. What is the speed of the Shiv in still water?

एक घंटे में, शिव धारा के साथ 12 किमी और धारा के विरुद्ध 6 किमी चलता है। शांत जल में शिव की गति क्या है?

- (A)9 km/hr (B)2.5 km/hr (C)3km/hr (D)Both 1 and 2 (E)none of these

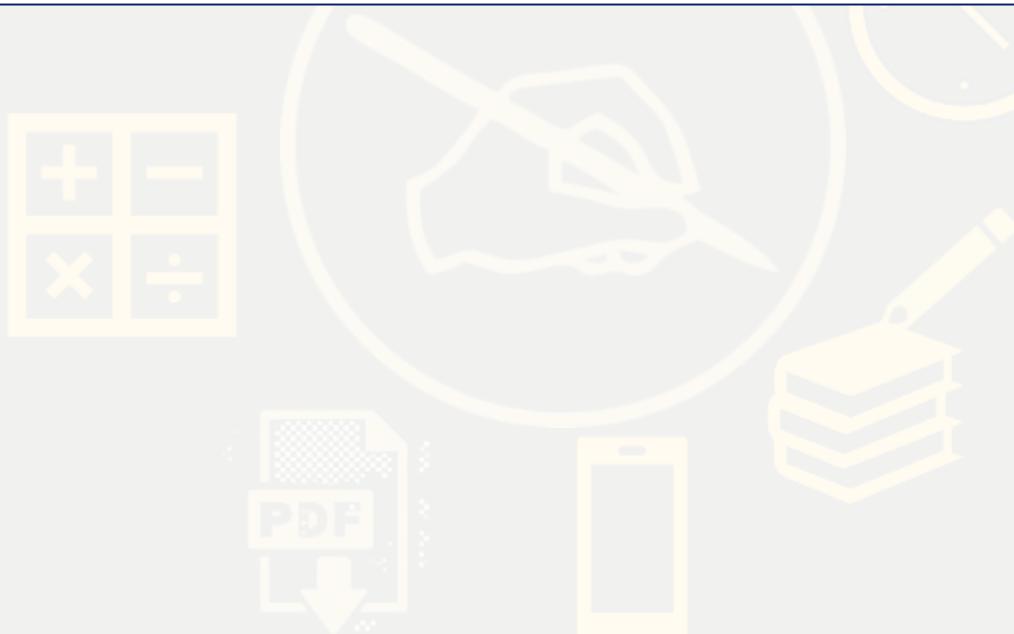




53. What must be added to each term of the ratio $9 : 14$, so as to make it equal to $2 : 3$?

अनुपात $9 : 14$ के प्रत्येक पद में किस संख्या को जोड़ने पर अनुपात $2 : 3$ के बराबर होगा ?

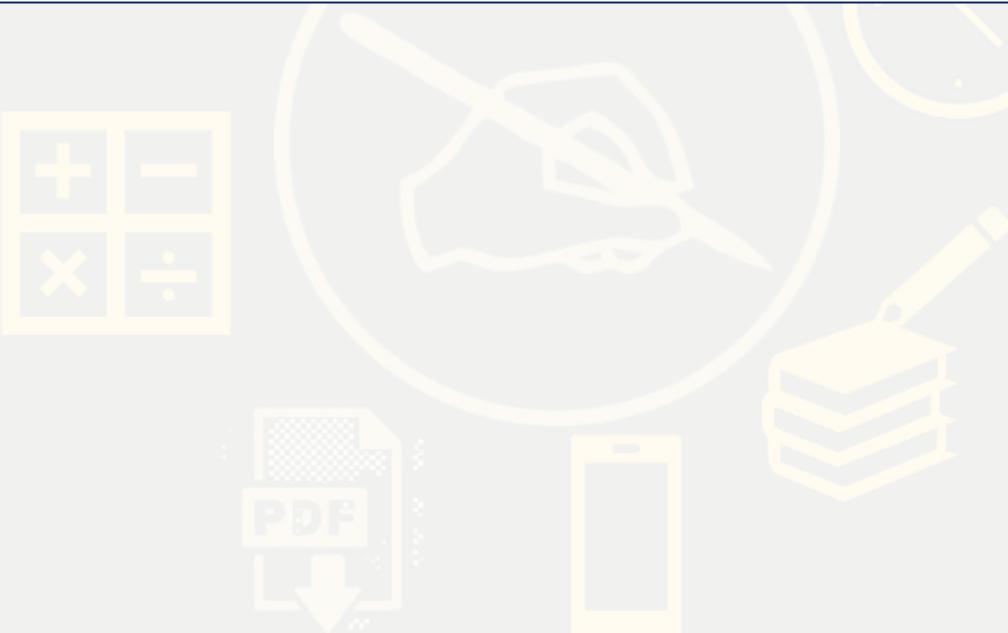
- (A) $1/2$ (B) 1 (C) $2/3$ (D) 2 (E) 2.5



54. 15 women can complete a work in 21 days. After 7 days 7 women join them to replace 2 women. How many days will they take to complete the remaining work?

15 महिलाएं 21 दिनों में कार्य समाप्त कर सकती हैं। 7 दिन बाद दो महिलाओं के स्थान पर 7 महिलाएं शामिल हो जाती हैं। तो शेष काम को पूरा करने में कितने दिन लगेंगे?

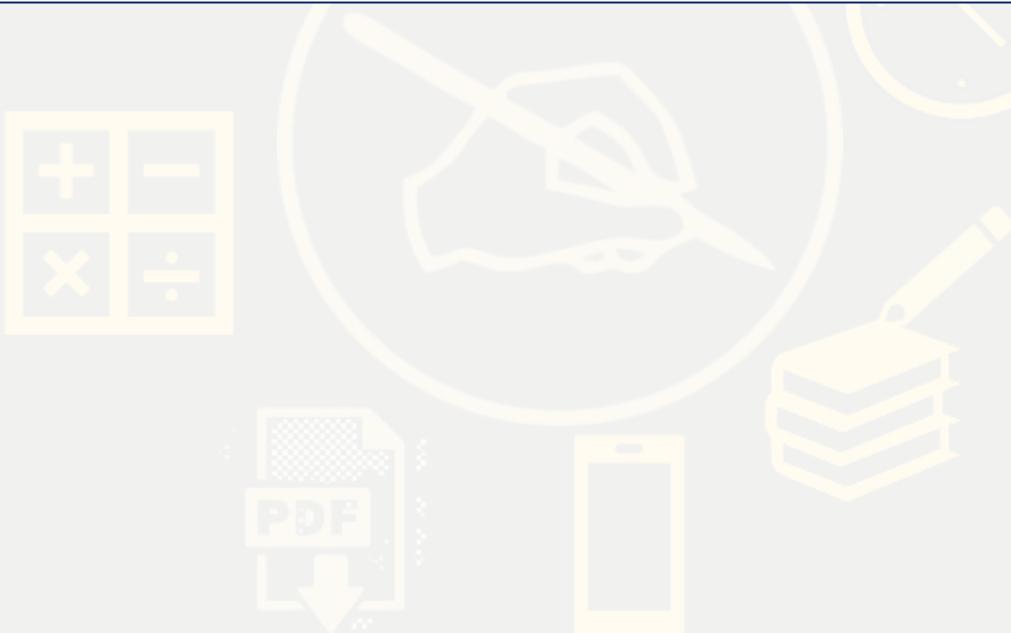
- (A) 12.5 days (B) 25 days (C) 10.5 days (D) 24 days (E) None of these



55. Length of a rectangle is 2 cm. more than the breadth of rectangle. Sum of length and breath is 18 cm. then what is the breadth of rectangle?

किसी आयत की लम्बाई, चौड़ाई से 2 सेमी अधिक है। लम्बाई व चौड़ाई का योग 18 सेमी. हो तो, चौड़ाई क्या होगी?

- (A)12cm (B)9cm (C)6cm (D)8cm (E)None of these





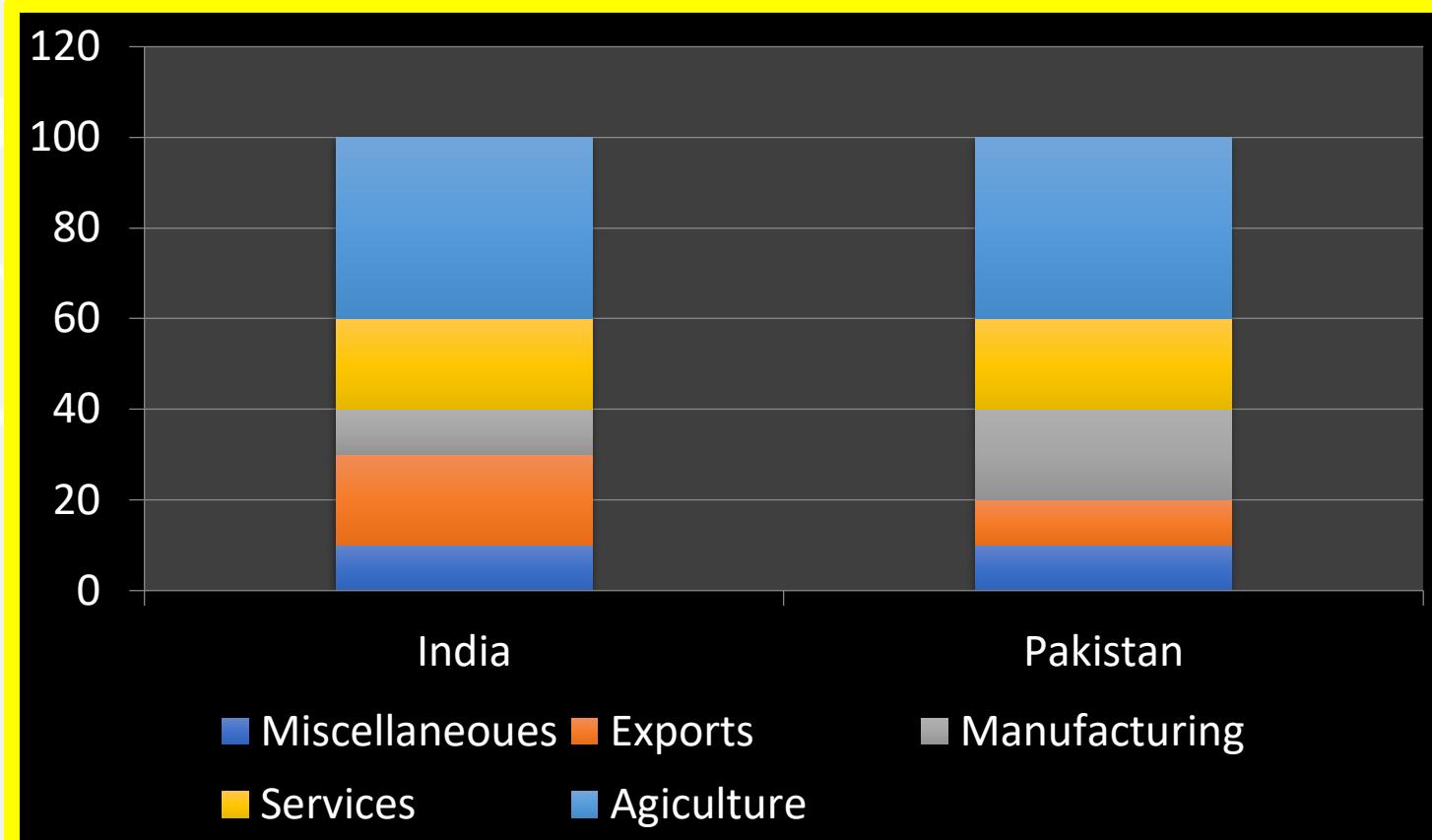
H.W. A train crosses two persons, cycling in the same direction as the train in 12 and 18 seconds respectively. If the speeds of the two cyclists are 9 and 18 km/ph respectively, find the length of the train एक ट्रेन अपनी ही दिशा में साइकिल चला रहे दो व्यक्तियों को क्रमशः 12 और 18 सेकेण्ड में पार करती है। यदि दो साइकिल चालकों की चाल क्रमशः 9 और 18 किमी / घंटा है, ट्रेन की लम्बाई ज्ञात कीजिये।

- (A) 80 meters (B) 90 meters (C) 100 meters (D) 110 meters (E) 120 meters

Direction (41-45): Read the data carefully and answer the questions.

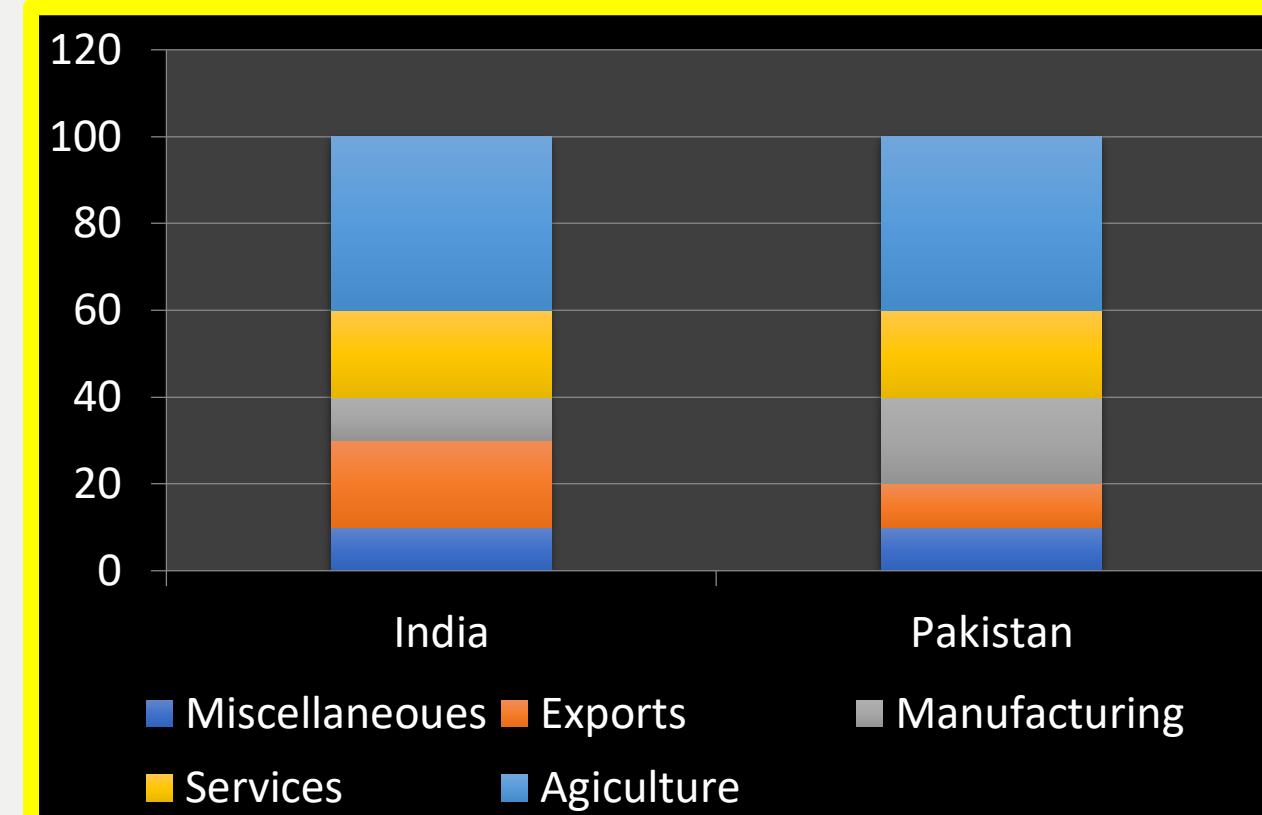
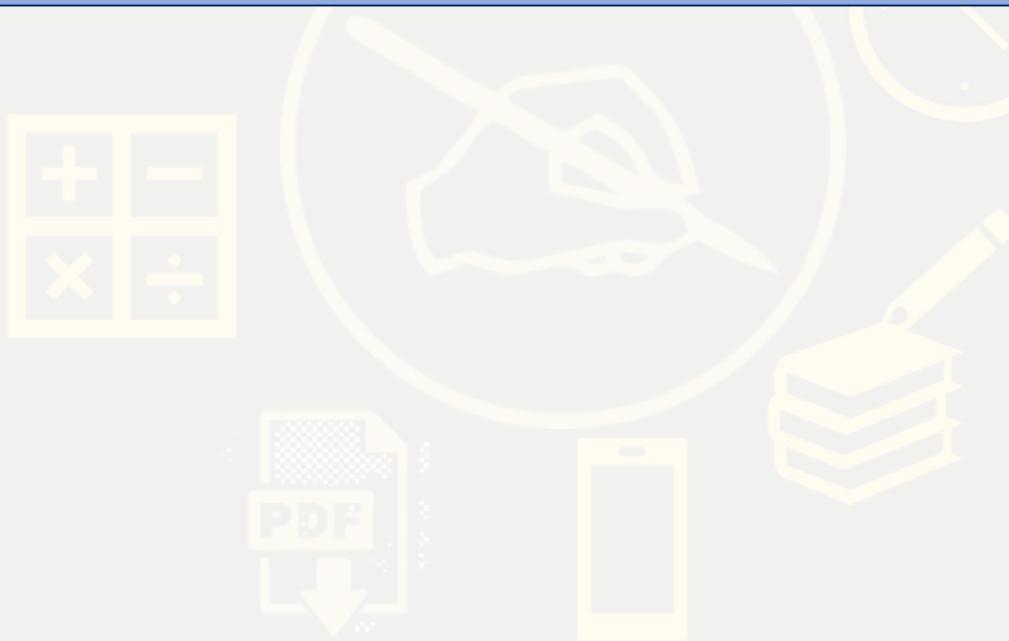
The following bar chart shows the composition of the GDP two countries (India and Pakistan). All figures are in percentage (in GDP)

Composition of GDP of two countries



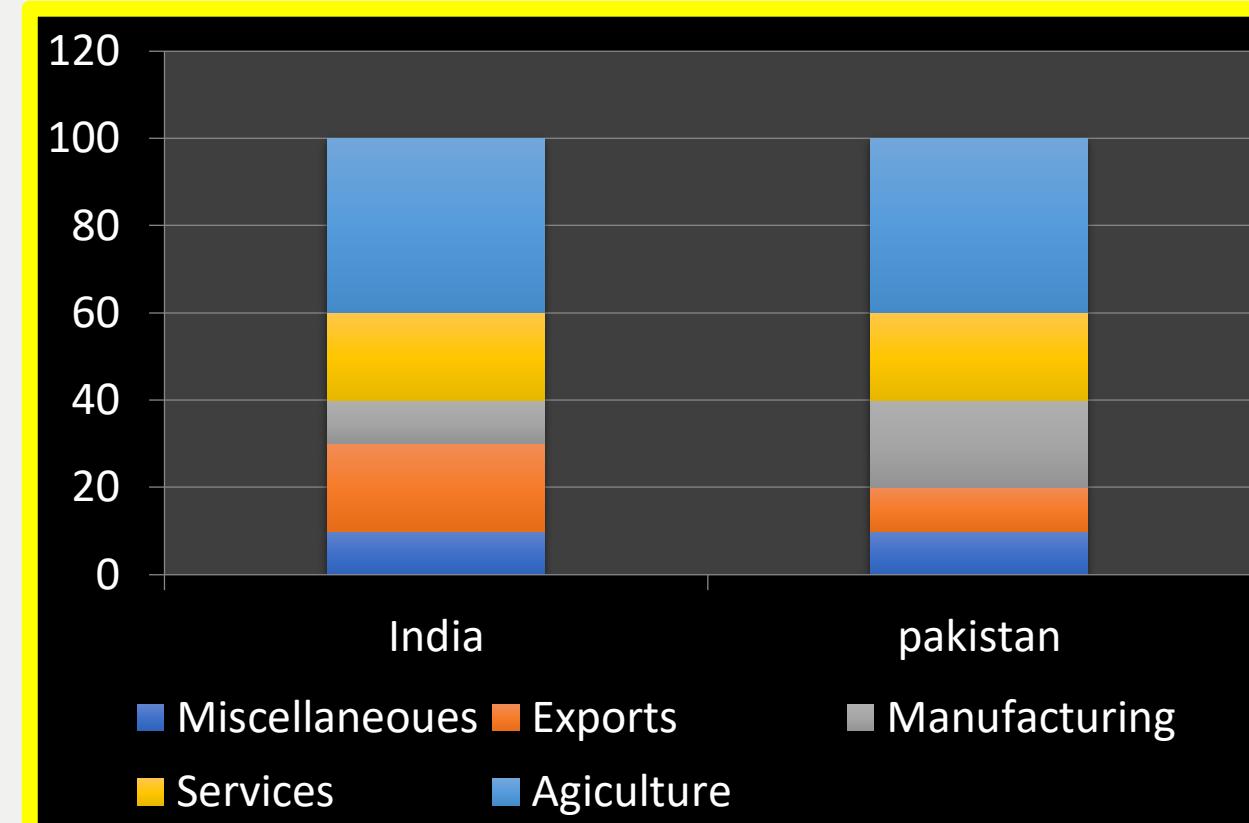
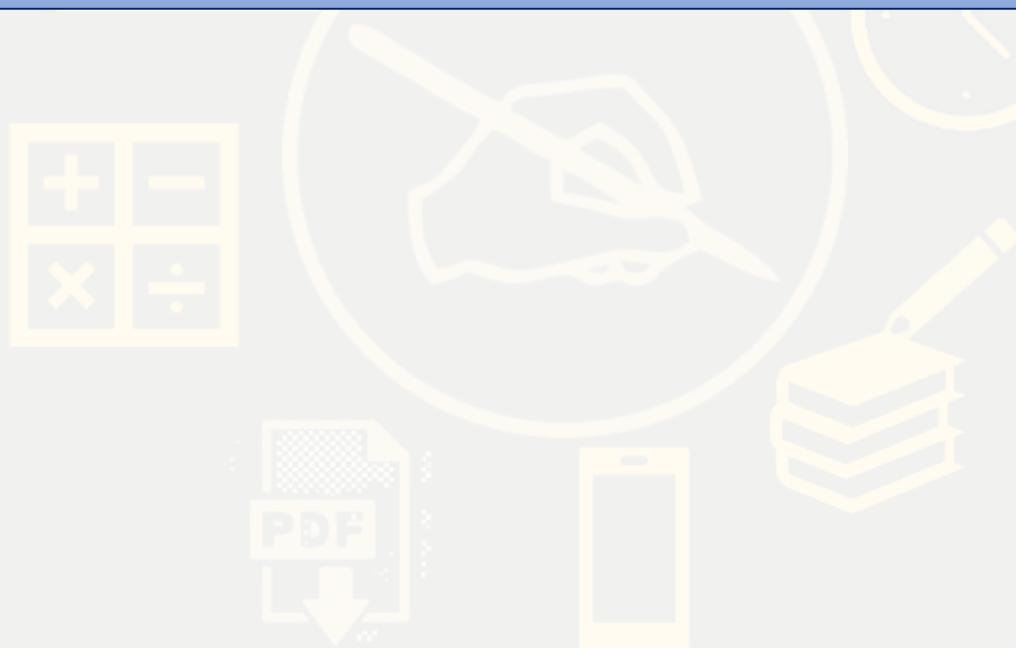
41. If the total GDP of India is 45000 crore and of Pakistan is 25000 crore, then India's income through Services is what percentage is Pakistan's income through export? यदि भारत का कुल सकल घरेलू उत्पाद 45000 करोड़ है। और पाकिस्तान का 25000 करोड़ है, तो फिर सेवाओं के माध्यम से भारत की आय, नियांत के माध्यम से पाकिस्तान की आय की कितनी प्रतिशत है ?

- (A)340% (B)360% (C)425% (D)375% (E)None of these



42. If the total GDP of Pakistan is Rs. 10,000 crore, then a GDP accounted for by Manufacturing is?
यदि पाकिस्तान का कुल सकल घरेलू उत्पाद 10,000 करोड़ रुपये है तो फिर सकल घरेलू उत्पाद में विनिर्माण का क्या योगदान है?

- (A)Rs.200crore (B)Rs.600 crore (C)Rs.2000 Crore (D)Rs.6000 crore (E)None of these



43. If on agriculture India's expense is 250% of Pakistan expense on construction, then India's GDP is what percent of Pakistan's GDP?

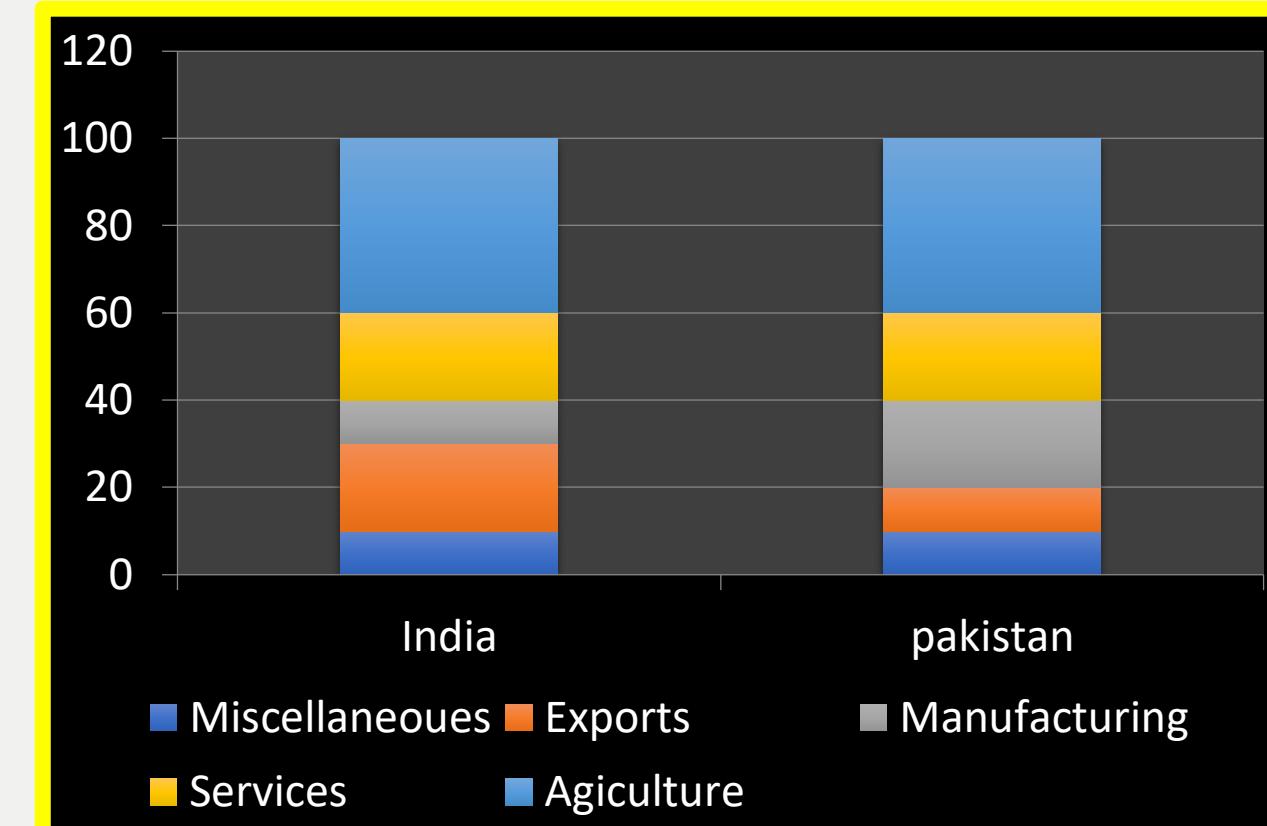
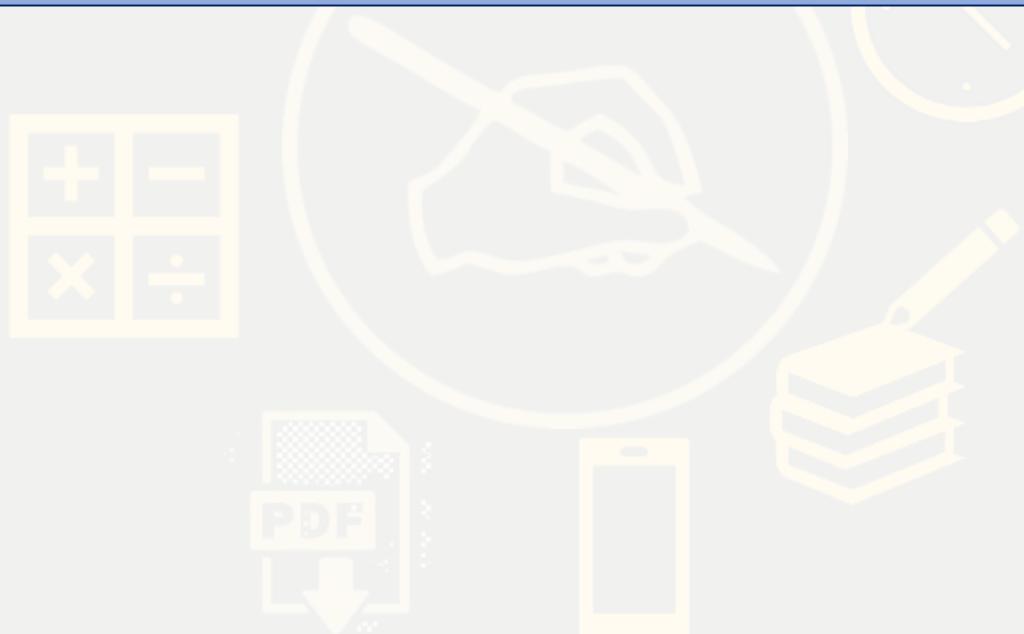
अगर कृषि पर भारत का खर्च पाकिस्तान के निर्माण पर होने वाले खर्च का 250% है, तो फिर भारत का जीडीपी पाकिस्तान के जीडीपी का कितना प्रतिशत है?

(A)400% (B)250%

(C)500%

(D)750%

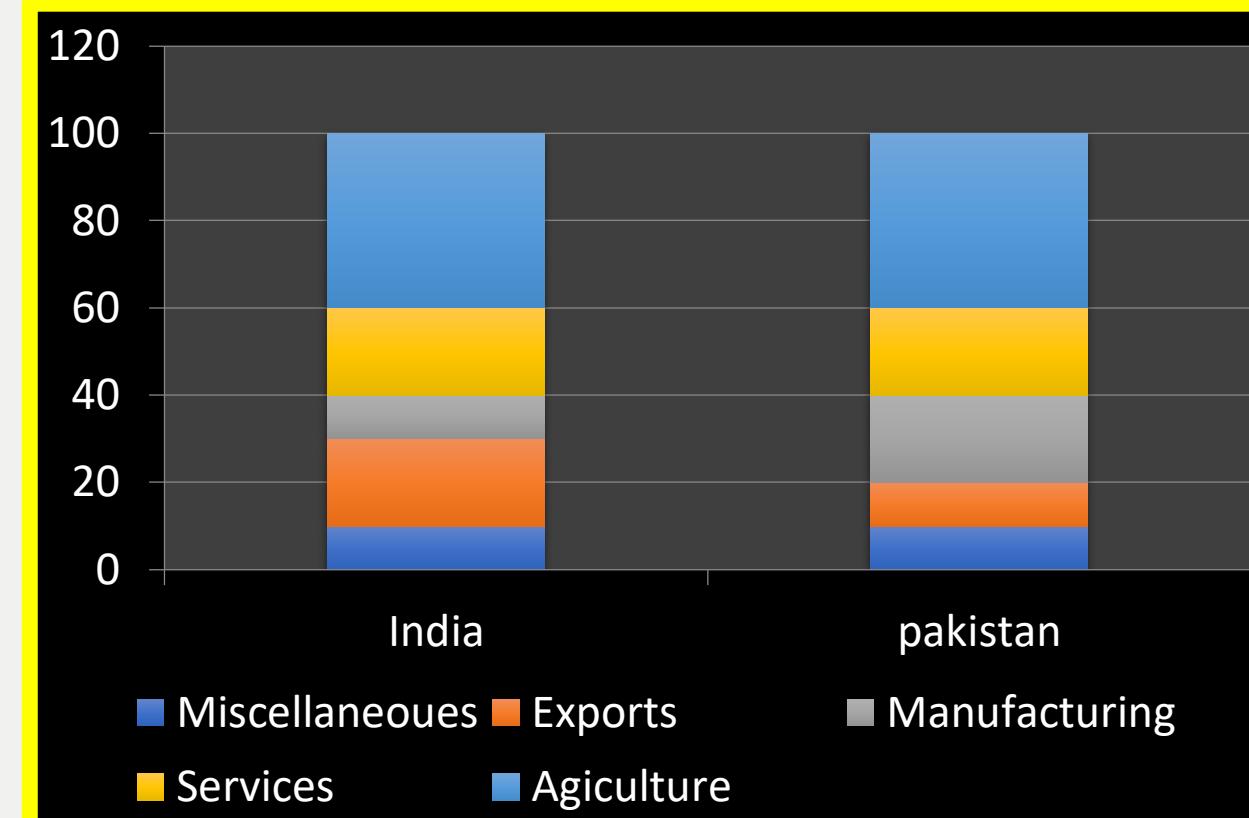
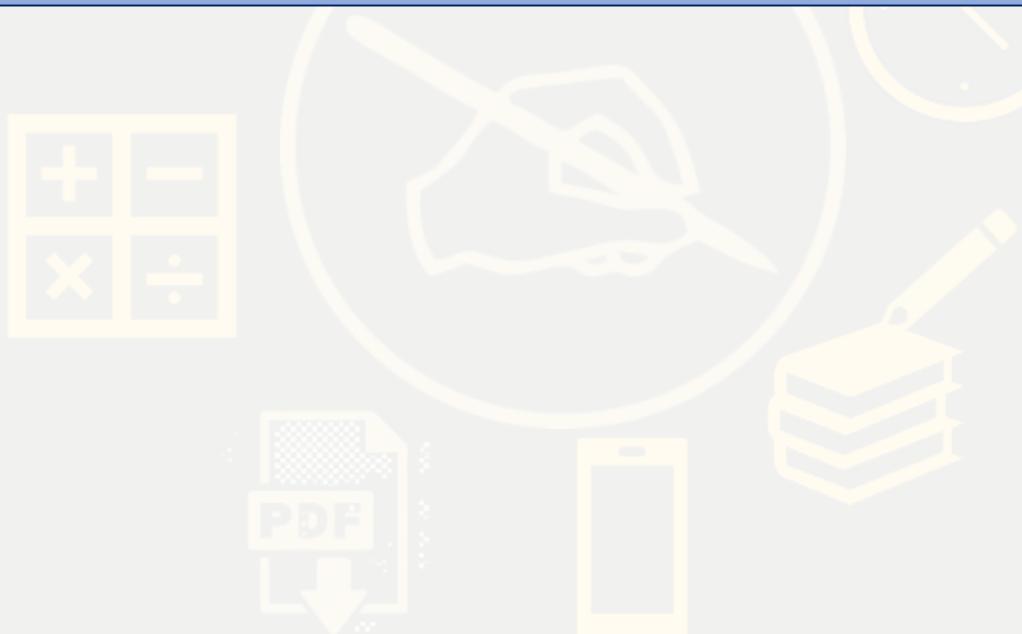
(E)None of these



44. If the total GDP of India is Rs.30,000, then the GDP accounted for by Agriculture, Services and Miscellaneous is?

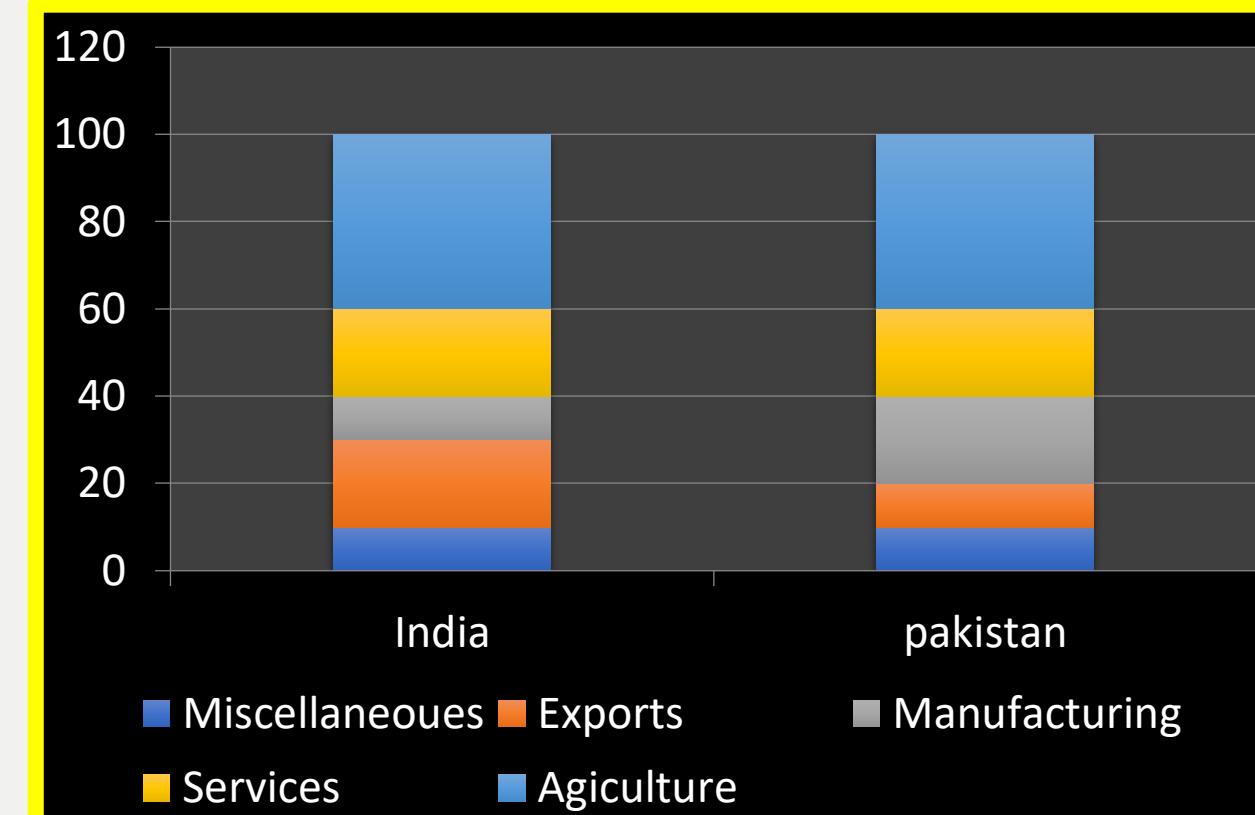
यदि भारत का सकल घरेलू उत्पाद 30,000 करोड़ रुपये है, तो सकल घरेलू उत्पाद कृषि, सेवाओं और विविध द्वारा उत्पादित है?

- (A)12000 Crore (B)18000 Crore (C)24000 Crore (D)15000 Crore (E)None of these



45. Which country accounts for higher earning out of Services and Miscellaneous together?
कौन सा देश सेवाओं और विविध के साथ अधिक कमाई के लिए एक साथ खाते हैं?

- (A) India (B) Pakistan (C) Both spend equal amount (D) cannot be determine (E) None of these



Direction (46 to 50):- In each question two equations numbered (I) and (II) are given. You have to solve both the equations and mark appropriate answer.

- (a) If $x > y$
- (b) If $x < y$
- (c) If $x \geq y$
- (d) If $x \leq y$
- (e) $x = y$ or no relation can be established



- Q.46 :-** I. $9x^2 - 41x + 46 = 0$ II. $12y^2 + 43y + 38 = 0$
- Q.47 :-** I. $6x^2 + 13x - 169 = 0$ II. $y^2 + 8y - 65 = 0$
- Q.48 :-** I. $3x + 5y = 4$ II. $6x + 7y = 25$
- Q.49 :-** I. $x^2 - 5x + 4 = 0$ II. $y^2 + 11y - 12 = 0$
- Q.50 :-** I. $8x^2 + 50x + 57 = 0$ II. $6y^2 - y - 57 = 0$



0:30

51. In one hour, Shiv goes 12 km along the stream and 6 km against the stream. What is the speed of the Shiv in still water?

एक घंटे में, शिव धारा के साथ 12 किमी और धारा के विरुद्ध 6 किमी चलता है। शांत जल में शिव की गति क्या है?

- (A)9 km/hr (B)2.5 km/hr (C)3km/hr (D)Both 1 and 2 (E)none of these

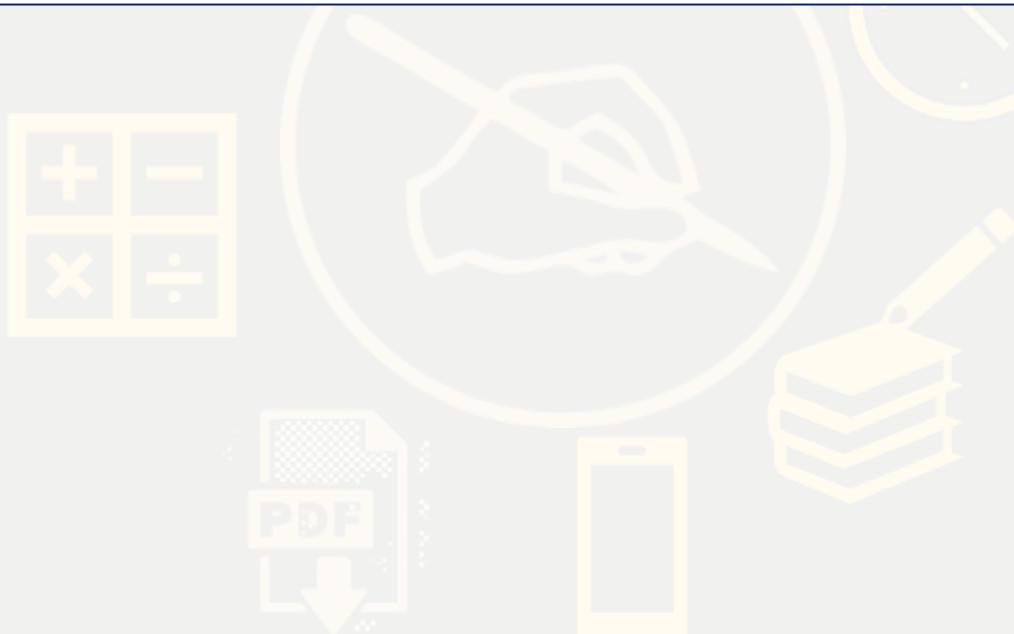




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- (A) $1/2$ (B) 1 (C) $2/3$ (D) 2 (E) 2.5



53. 15 women can complete a work in 21 days. After 7 days 7 women join them to replace 2 women. How many days will they take to complete the remaining work? 15 महिलाएं 21 दिनों में कार्य समाप्त कर सकती हैं। 7 दिन बाद दो महिलाओं के स्थान पर 7 महिलाएं शामिल हो जाती हैं। तो शेष काम को पूरा करने में कितने दिन लगेंगे?

- (A) 12.5 days (B) 25 days (C) 10.5 days (D) 24 days (E) None of these

54. Length of a rectangle is 2 cm. more than the breadth of rectangle. Sum of length and breath is 18 cm. then what is the breadth of rectangle?

किसी आयत की लम्बाई, चौड़ाई से 2 सेमी अधिक है। लम्बाई व चौड़ाई का योग 18 सेमी. हो तो, चौड़ाई क्या होगी?

- (A)12cm (B)9cm (C)6cm (D)8cm (E)None of these



What should come at place of the question mark (?) in the following number series ?

26 , 13 , 19.5 , ?, 170.625 , 767.8125

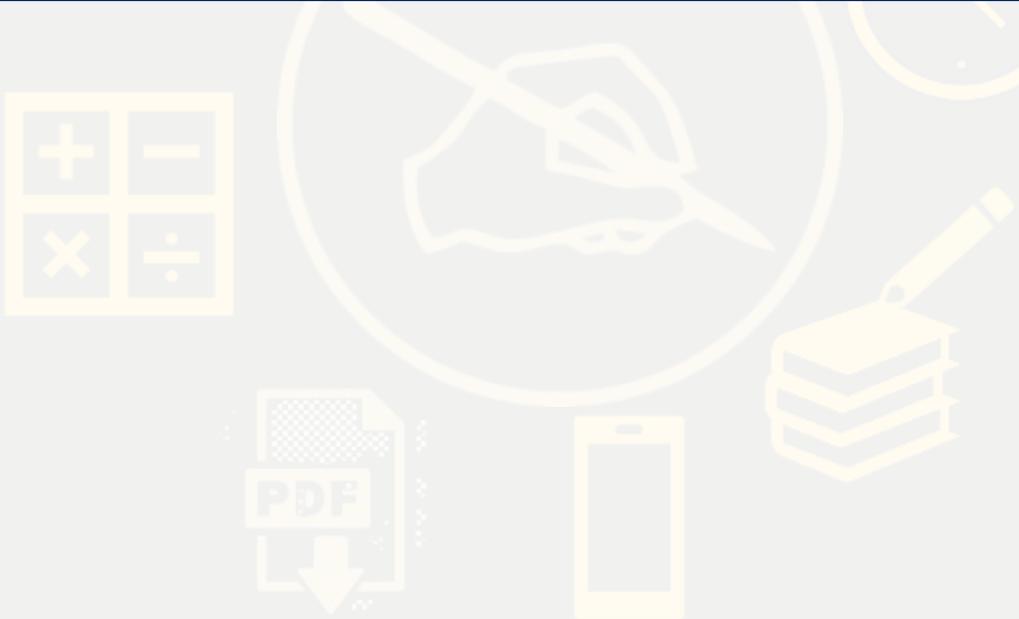
(A)48.25

(B)58.75

(C)47.875

(D)48.75

(E)55



What should come at place of the question mark (?) in the following number series ?

8 , 12 , 23 , 53 , 138 , ?

- (A)384 (B)382 (C)386 (D)387 (E)None of these



What should come at place of the question mark (?) in the following number series ?

27 , 1358 , 1277 , 1620 , ? , 1622

- (A)1546 (B)1536 (C)1596 (D)1598 (E)1595



What should come at place of the question mark (?) in the following number series ?

48 , 72 , 180 , 810 , ? , 69862.5

- (A)6078 (B)6075 (C)6077 (D)6080 (E)6085



What should come at place of the question mark (?) in the following number series ?

57, 65, 74, 138, ?, 379

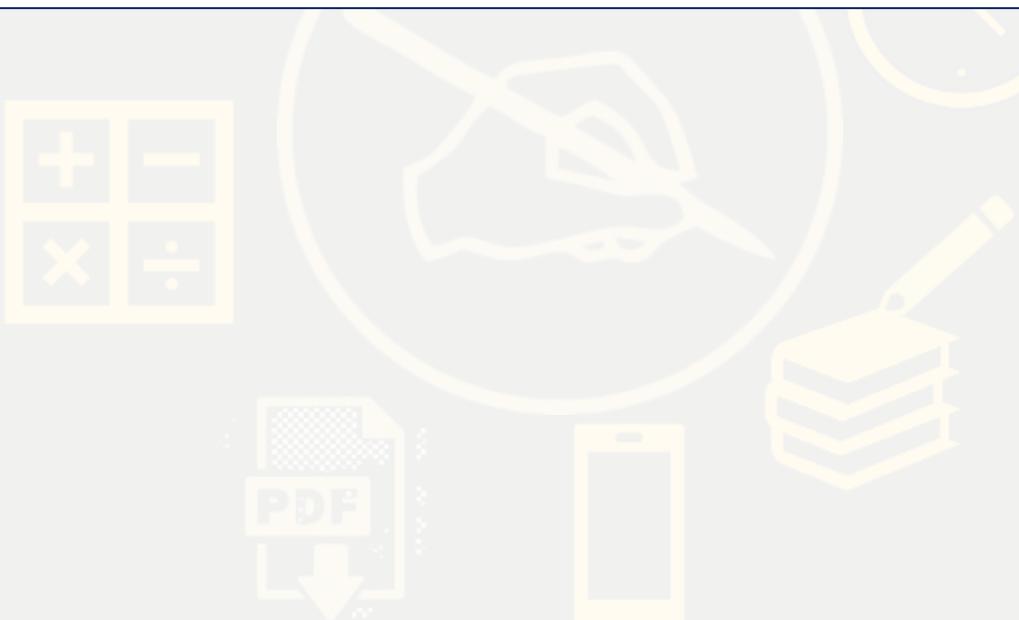
- (A)169 (B)165 (C)162 (D)163 (E)164



What value should come in the place of question mark(?)in the following questions?

61. $?^2 = 6^2 + 9^2 - 53$

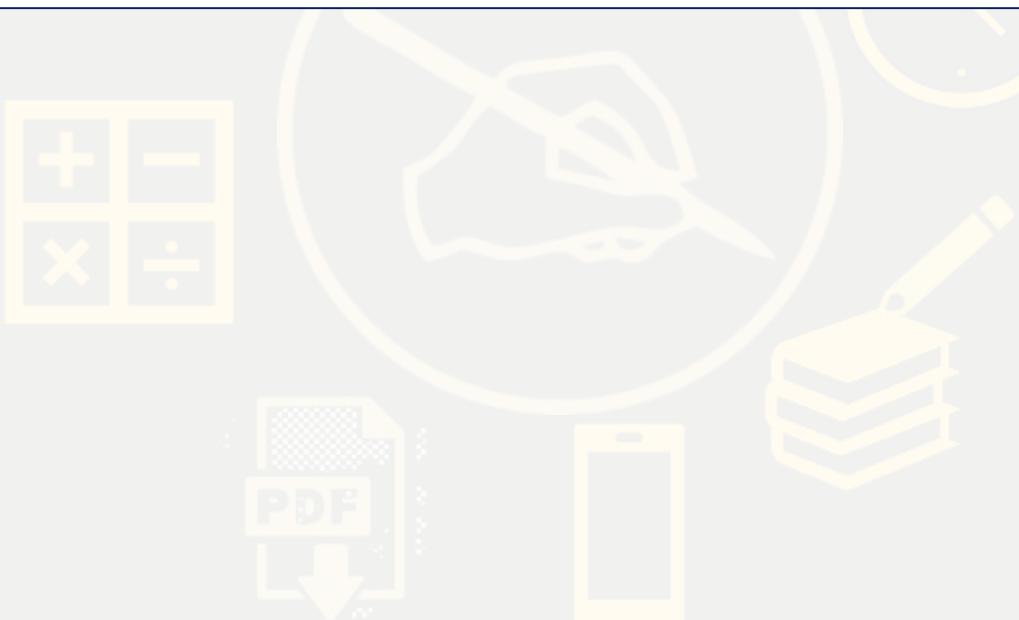
- (A)8 (B)6 (C)10 (D)7 (E)9



What value should come in the place of question mark(?)in the following questions?

62. $14 \times 24 + ? = 23 \times 7$

- (A)135 (B)165 (C)175 (D)185 (E)None of these



What value should come in the place of question mark(?)in the following questions?

63. $22^2 + 6^3 = ? + 337$

- (A)363 (B)330 (C)324 (D)343 (E)None of these



What value should come in the place of question mark(?)in the following questions?

64. $20\% \text{ of } 220 + ? = 25\% \text{ of } 320 + 264$

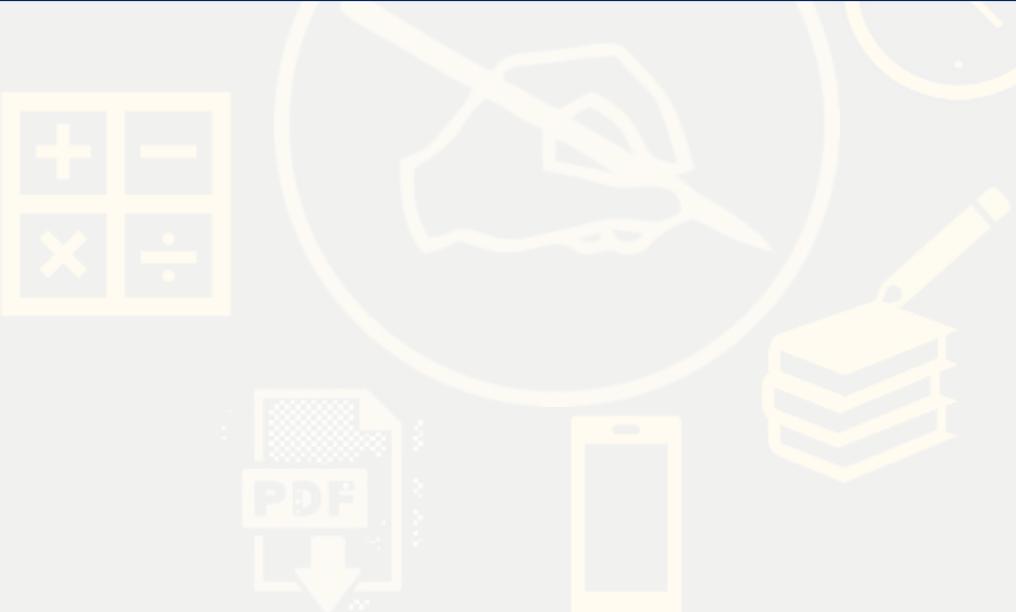
- (A)500 (B)300 (C)100 (D)400 (E)None of these



What value should come in the place of question mark(?)in the following questions?

$$65. \ 480 / ? = 12 \times 4 - 2^3$$

- (A)16 (B)19 (C)12 (D)8 (E)None of these



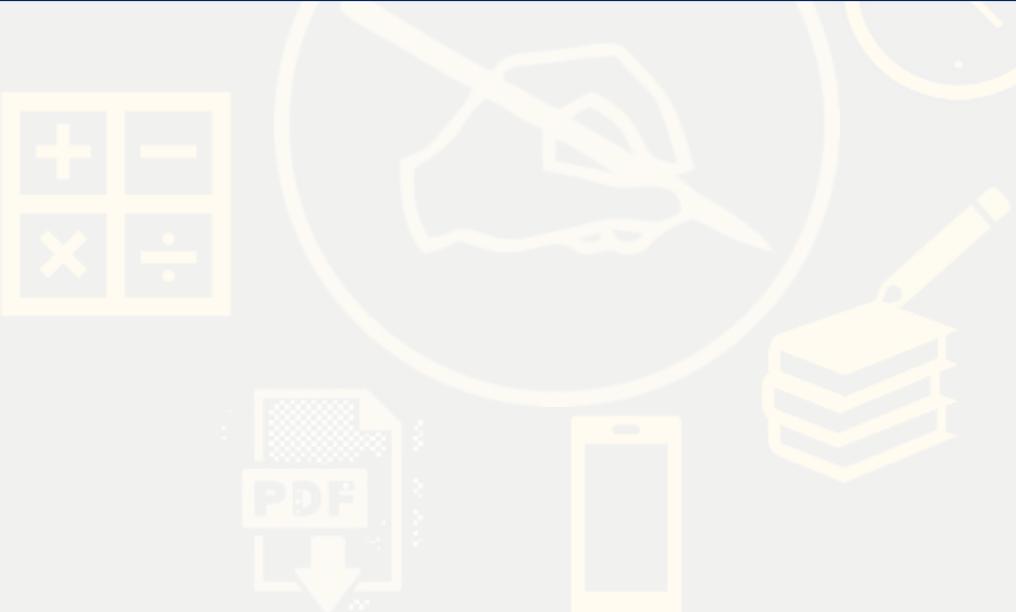
What value should come in the place of question mark(?)in the following questions?

66.

$$\frac{36 \times 14 - 6 \times 8}{488 + 8 - 29} = ?$$

(A)17.35 (B)14.25 (C)16.25

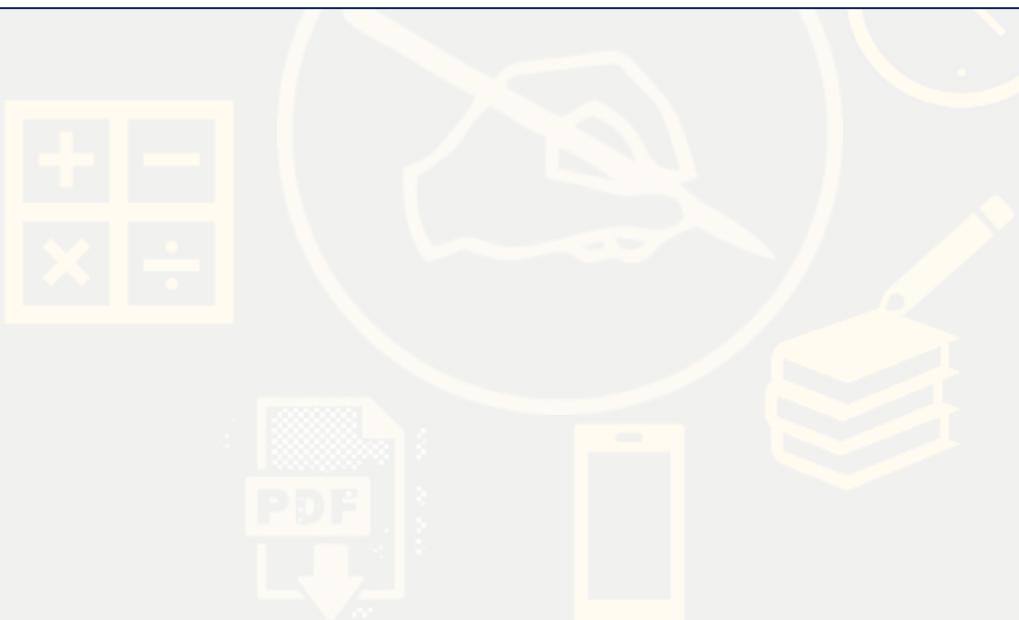
(D)15.65 (E)None of these



What value should come in the place of question mark(?)in the following questions?

67. $3.8 + 38.8 + 3.88 + 0.3 + 0.38 = ?$

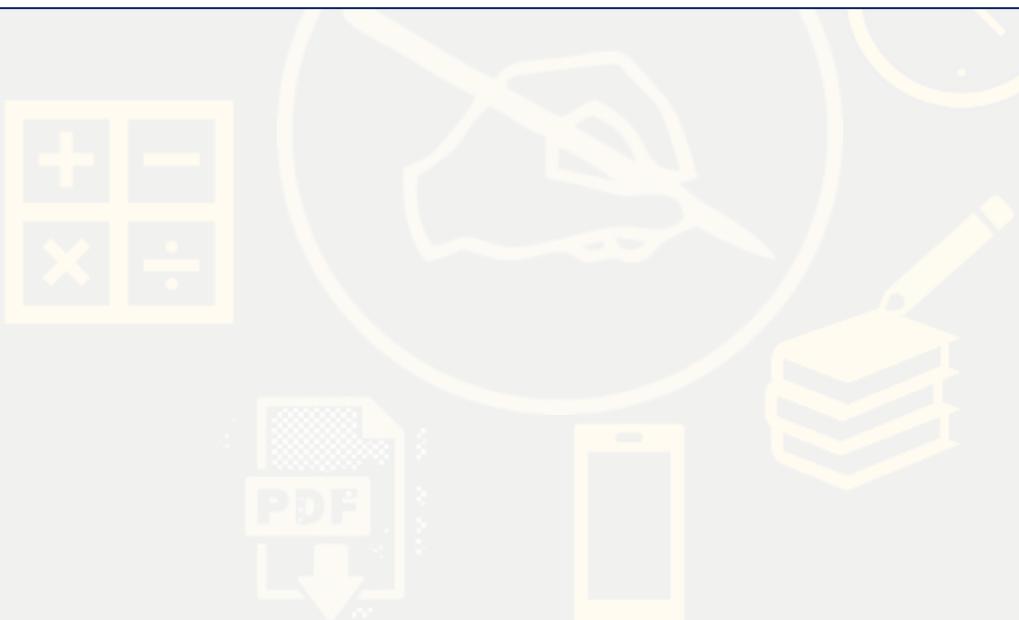
- (A)45.28 (B)48.25 (C)46.52 (D)47.16 (E)None of these



What value should come in the place of question mark(?)in the following questions?

68. $197 \times ? + 16^2 = 2620$

- (A)16 (B)22 (C)12 (D)14 (E)None of these



What value should come in the place of question mark(?)in the following questions?

69. $725632 - 631104 - 9774 - 999 = ?$

- (A)84755 (B)82175 (C)83775 (D)88355 (E) None of these



What value should come in the place of question mark(?)in the following questions?

70.

$$\frac{112}{\sqrt{196}} \times \frac{\sqrt{576}}{12} \times \frac{\sqrt{256}}{8} =$$

- (A)16 (B)32 (C)12 (D)8 (E)None of these



71. What is the compound interest on Rs. 20000 for 3 years if the rate of interest is 5% for the first year, 10% for the second year and 15% for the third year?

रु. 20000 पर 3 वर्षों के लिए चक्रवृद्धि ब्याज क्या होगा यदि प्रथम वर्ष ब्याज की दर 5% दूसरे वर्ष ब्याज की दर 10% तथा तृतीय वर्ष 15% है?

- (A) Rs. 6565 (B) Rs. 5656 (C) Rs. 6655 (D) Rs. 6554 (E) None of these



72. A reduction of 20% in the price of sugar enables a man to purchase 2kg more for Rs. 160. Find the reduced price.

चीनी मूल्य में 20% की कमी होने पर एक व्यक्ति के 160 रुपये में 2 किग्रा चीनी अधिक खरीदता है। घटा हुआ मूल्य क्या है?

- (A)Rs.15 (B)Rs. 18 (C)Rs. 20 (D)Rs.16 (E)None of these



73. If the letters of the word 'SERIAL' be arranged randomly, what is the probability that all vowels are not together?

यदि शब्द 'SERIAL' के अक्षरों को व्यवस्थित किया जाए तो सभी स्वरों के एक साथ न आने की प्रायिकता क्या है?

- (A)1/5 (B)2/5 (C)3/5 (D)4/5 (E)None of these



74. If the numerator of a fraction is increased by 340% and the denominator is increase by 240% the resultant fraction is $3\frac{2}{5}$. What is the original fraction?

यदि किसी भिन्न के अंश को 340% और हर को 240% बढ़ाया जाये तो परिणामी भिन्न $3\frac{2}{5}$ हो जाती है तो मूल भिन्न क्या है?

- (A) 2 $\frac{67}{100}$ (B) 2 $\frac{63}{100}$ (C) 2 $\frac{69}{110}$ (D) 2 $\frac{67}{110}$ (E) None of these



THANKS

