





RBI ASSISTANT 2021-22

MATHS

35 / 35

**TOP 30 MOST
EXPECTED PAPERS**

LIVE

PAPER-10 09:00 AM



Class Time :- 9:00 AM



UPCOMING ONLINE BATCHES

March 2022

02 March 2022**05:30 PM to 07:30 PM****BANK ONLINE LIVE CLASS****01:00 PM to 03:00 PM****SSC ONLINE LIVE CLASS****BILINGUAL****09 March 2022****10:30 AM to 12:30 PM****BANK ONLINE LIVE CLASS****03:00 PM to 05:00 PM****BANK ONLINE LIVE CLASS****05:30 PM to 07:30 PM****SSC ONLINE LIVE CLASS****BILINGUAL****16 March 2022****01:00 PM to 03:00 PM****BANK ONLINE LIVE CLASS****08:00 AM to 10:00 AM****BANK ONLINE LIVE CLASS****07:30 PM to 09:30 PM****SSC ONLINE LIVE CLASS****03:00 PM to 05:00 PM****SSC ONLINE LIVE CLASS****BILINGUAL****23 March 2022****10:30 AM to 12:30 PM****BANK ONLINE LIVE CLASS****08:00 AM to 10:00 AM****SSC ONLINE LIVE CLASS****01:00 PM to 03:00 PM****SSC ONLINE LIVE CLASS****BILINGUAL****30 March 2022****08:00 AM to 10:00 AM****BANK ONLINE LIVE CLASS****05:30 PM to 07:30 PM****BANK ONLINE LIVE CLASS****10:30 AM to 12:30 PM****SSC ONLINE LIVE CLASS****BILINGUAL****07:30 PM to 09:30 PM****BANK ONLINE LIVE CLASS****(BANK PO & CLERK)****ENGLISH MEDIUM**



Shivam Tiwari 20 hours ago

Homework Answer :-
39 (Option D)
Awesome Session Sir Thankyou 🥰🥰🥰🥰

👍 2 🗨️ REPLY

▼ [View reply from Mahendras : Online Videos For C](#)



Mohit. 21 hours ago

Thank-you Sir ji for today's Amazing Class Session..👏👏
And
Answer for today's homework is-
Option D- 39...

Read more

👍 1 🗨️ REPLY

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Sakshi Gaur 13 hours ago

Homework answer is
Option D-39
Thanku so much sir for today amazing session 👏👏

👍 🗨️ REPLY

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Juhi Agarwal 13 hours ago

Homework Ans 39
Thank you sir for the Amazing Session

👍 🗨️ REPLY

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Sarita 17 hours ago

Homework answer
Option D (39)
Today very nice session sir
Thank you so much sir 👏👏🥰

👍 🗨️ REPLY

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Prakash Dwivedi 20 hours ago

Ans -D
Awesome Session Sir Thankyou 🥰🥰🥰🥰

👍 🗨️ REPLY

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Bhavika Goyal 13 hours ago

Homework question : option (D) 39
Thank u sir 🥰🥰

👍 🗨️ REPLY

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Manshi Vasita 18 hours ago

Answer 39 option D
Thank you so much sirji....🥰🥰

👍 🗨️ REPLY

▼ [View reply from Mahendras :](#)



Rahul Kumar Upadhyay 16 hours ago

Today home work will be
Option no D Dddddd 39
Today nice session sir
Thank you so much sir ji 👏👏🥰🥰

👍 🗨️ REPLY

▼ [View reply from Mahendras :](#)



Sonam Pundir 11 hours ago

Hw= d 39 days
Thanku sir 🥰

👍 🗨️ REPLY

▼ [View reply from Mahend](#)



shubhangi mishra 16 hours ago

H.w ans. 39 days
Thank you sir

👍 🗨️ REPLY

▼ [View reply from Mahend](#)



ruma rajwar 19 hours ago

homework ans:
option D-39

👍 🗨️ REPLY

▼ [View reply from Mahend](#)



Khushboo Mandal 17 hours ago

Homework ans. 39 days

👍 🗨️ REPLY

▼ [View reply from Mahend](#)



punit pandey 21 hours ago

Hw ka ans 39 hoga

$3 \times 26 \times 2 / 4 = 3 \times 13 = 39$ days ans

👍 🗨️ REPLY

▼ View reply from Mahendras :

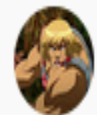


Dron patodia 19 hours ago

39 Days

👍 🗨️ REPLY

▼ View reply from Mahendras :



ROHIT GOND 21 hours ago

39

👍 🗨️ REPLY

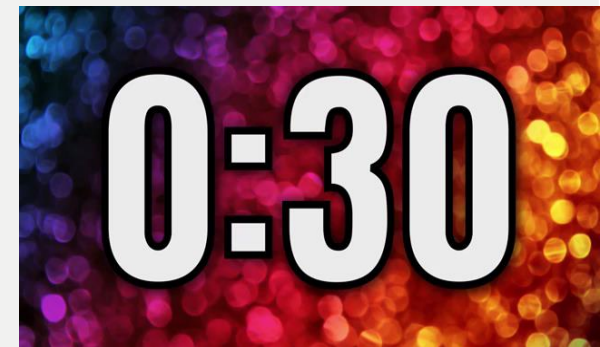
▼ View reply from Mahendras :



Q.21:- $\frac{1}{3}$ of the syllabus of maths can be completed in 3 hours in 26 days than in how many days $\frac{2}{3}$ of that syllabus can be completed in 4 hours a day ?

गणित का $\frac{1}{3}$ पाठ्यक्रम 26 दिनों में 3 घंटे में पूरा किया जा सकता है, उस पाठ्यक्रम का $\frac{2}{3}$ दिन में 4 घंटे में कितने दिनों में पूरा किया जा सकता है?

- (A)32 (B)40 (C)60 (D)39 (E) None of these



Q.22:- In a examination it is required to get 35% of maximum marks to pass. A student got 125 marks and declared failed by 85 marks . The maximum marks are –

एक परीक्षा में उत्तीर्ण होने के लिए अधिकतम 35% अंक प्राप्त करना आवश्यक है। एक छात्र ने 125 अंक प्राप्त किए और 85 अंकों से अनुत्तीर्ण घोषित किया गया। अधिकतम अंक हैं -

(A)550

(B)600

(C)650

(D)500

(E) None of these



Q.23 :- The average of 9 things is 96. First five things average is 79 and next three things average is 92. Then find the value of 9th thing ?

9 चीजों का औसत 96 है। पहली पांच चीजों का औसत 79 है और अगले तीन चीजों का औसत 92 है। फिर 9वीं चीज का मूल्य ज्ञात करें?

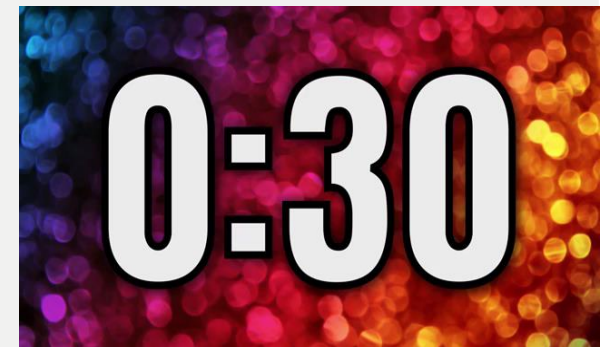
(A)183

(B)193

(C)163

(D)143

(E) 123



Q.24 :- In how many different ways can the letters of the word 'LEADING' be arranged in such a way that the vowels always come together ?

शब्द 'LEADING' के अक्षरों को कितने अलग-अलग तरीकों से व्यवस्थित किया जा सकता है कि स्वर हमेशा एक साथ आते हैं?

(A)360

(B) 480

(C)720

(D) 5040

(E)None of these



0:30

Q.25 :- A train 140 m long is running at 60 km/h . In how much time will it pass a platform 260m long ?

140 मीटर लंबी एक ट्रेन 60 किमी/घंटा की गति से चल रही है। यह 260 मीटर लंबे प्लेटफॉर्म को कितने समय में पार करेगी?

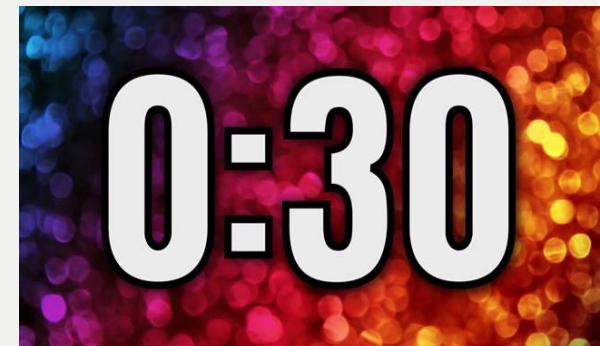
(A) 24sec

(B) 12sec

(C) 18sec

(D) 14 sec

(E) Cannot be determined





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

Q.1:- 150% of $400 + 30\%$ of $150 - 20 = ?$

(A)625

(B)640

(C)635

(D)630

(E) None of these



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

Q.2:- $6000 \div 15.00 + 650 - 125 = ?$

(A)925

(B)950

(C)975

(D)980

(E) None of these





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

Q.3:- $1111 \div 11 \times 75 + 250 = ?$

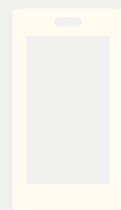
(A)7825

(B)7675

(C)7735

(D)7925

(E) None of these



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

Q.4:- $\sqrt{2025} \div \sqrt[3]{729} \times 120\% \text{ of } 450 = ?$

(A) 2700

(B) 3200

(C) 2900

(D) 2400

(E) None of these



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

Q.5:- 135% of $342 - 342\%$ of $13.5 = ?$

(A) 411.13

(B) 412.23

(C) 413.33

(D) 414.43

(E) 415.53



0:30

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

Q.6:- $264 \div \sqrt{576} + (11)^2 + 12 = (?)^2$

- (A) 44 (B) 24 (C) 14 (D) 15 (E) 12



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

Q.7:- $(?)^2 \% \text{ of } 650 = (20)^2 + (4)^2$

(A) 8

(B) 64

(C) $\sqrt{8}$

(D) $(64)^2$

(E) 32



0:30

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

Q.8:- $380 \times 28 \div 2^2 = ?$

(A)2660

(B)2640

(C)2760

(D)2260

(E) None of these



0:30

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

Q.9:- $62.00 + 13.75 + 34.008 + 28$

(A) 137.758

(B) 134.748

(C) 136.776

(D) 133.772

(E) None of these



0:30

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

Q.10:- $\sqrt{576} + \sqrt{3364} - \sqrt{1764} = ?$

- (A)40 (B)30 (C)35 (D)45 (E) None of these



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

Q.11:- 27 , 50 , 192 , 1140 , 9104 , ?

(A) 90400

(B) 91020

(C) 92040

(D) 94060

(E) 96080



0:30

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

Q.12:- 4 , 7 , 13 , 23 , 38 , 59 , ?

- (A)72 (B)80 (C)87 (D)95 (E) None of these



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

Q.13:- 6 , 11 , 32 , 111 , 464 , ?

(A) 2345

(B) 2475

(C) 2525

(D) 3050

(E) 2640



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

Q.14:- 2, 12, 36, 80, ?, 252, 392

- (A)80 (B)100 (C)120 (D)150 (E)None of these



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

Q.15:- 2, 6, 33, 49, 174, 210, ?

(A)275

(B)387

(C)464

(D)553

(E)495



0:30

Direction (1–5): In each question two equations numbered (I) and (II) are given. You have to solve both the equations and mark appropriate answer.

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



Q.16 :-

I. $x^2 - 50x + 589 = 0$

II. $y^2 - 19y - 416 = 0$

Q.17 :-

I. $6x^2 + 9x + 3 = 0$

II. $8y^2 - 13y + 5 = 0$

Q.18 :-

I. $20x^2 - x - 12 = 0$

II. $20y^2 + 27y + 9 = 0$

Q.19 :-

I. $3x^2 - 13x + 14 = 0$

II. $y^2 - 7y + 12 = 0$

Q.20 :-

I. $2x^2 - 17x + 36 = 0$

II. $15y^2 - 16y + 4 = 0$



Q.21:- Annu and bhanu undertook a piece of work for Rs 600. Annu alone can do it in 6 days while bhanu alone can do it in 8 days . With the help charu , they can finish it in 3 days, find the share of charu ?

अन्न और भानु ने एक काम को 600 रुपये में लिया। अन्न अकेले इसे 6 दिनों में कर सकता है जबकि भानु अकेला इसे 8 दिनों में कर सकता है। चारु की सहायता से, वे इसे 3 दिनों में समाप्त कर सकते हैं, चारु का हिस्सा ज्ञात कीजिए?

(A)Rs.80

(B)Rs.85

(C)Rs.70

(D)Rs.75

(E) None of these



0:30

Q.22:- After providing three consecutive discounts of 10%, 5% and 4% on the marked price of an item , it was sold for Rs,98469. what was the mark value of this item ?

एक वस्तु के अंकित मूल्य पर 10%, 5% और 4% की लगातार तीन छूट प्रदान करने के बाद, इसे 98469 रुपये में बेचा गया। इस वस्तु का अंकित मूल्य क्या था ?

(A) 110700

(B) 120500

(C) 120000

(D) 120200

(E) None of these



Q.23 :- A person bought 100 kg of tea and sold it at a profit which is equal to what he paid for 40 kg of tea. Find the profit percentage earned by that person ?

एक व्यक्ति ने 100 किग्रा चाय खरीदी और उसे लाभ पर बेच दिया जो उसके द्वारा 40 किग्रा चाय के भुगतान के बराबर है। उस व्यक्ति द्वारा अर्जित लाभ प्रतिशत ज्ञात कीजिये?

(A)30%

(B)40%

(C)25%

(D)20%

(E)None of these



Q.24 :- Aman invested Rs. m for 8 months and Rs. n for remaining time while Farhan invested Rs. n for first 7 month and Rs. m for the rest of the time . If at the end of two years, the profit earned is equal , find the ratio $m:n$.

अमन ने रुपये का निवेश किया। मी 8 महीने के लिए और रु. n शेष समय के लिए जबकि फरहान ने रु. n पहले 7 महीने के लिए और रु. m शेष समय के लिए मी. यदि दो वर्ष के अंत में, अर्जित लाभ बराबर है, तो अनुपात $m:n$ ज्ञात कीजिए।

(A)1:1

(B)3:5

(C)5:7

(D)11:9

(E)None of these



0:30

Q.25 :- If 10 people can finish a work in 12 days by working 7 hours per day, then in how many days can 14 people finish the same work by working 6 hours per day?

यदि 10 व्यक्ति प्रतिदिन 7 घंटे कार्य करके एक कार्य को 12 दिनों में समाप्त कर सकते हैं, तो 14 व्यक्ति प्रतिदिन 6 घंटे कार्य करके उसी कार्य को कितने दिनों में समाप्त कर सकते हैं?

- (A)12 (B)10 (C)15 (D)16 (E) None of these



0:30

Q.26 :- A person has to travel 30 km. if he has covered the distance of $\frac{5}{6}$ of the journey in 3 hours and 20 minutes , then what is his speed in km/ h ?

एक व्यक्ति को 30 किमी की यात्रा करनी पड़ती है। यदि उसने यात्रा की $\frac{5}{6}$ की दूरी 3 घंटे 20 मिनट में तय की है, तो उसकी गति किमी/घंटा में क्या है?

(A) 6.3

(B) 6

(C) 5.4

(D) 7.5

(E) None of these



0:30

Q.27 :- At what percentage rate will the amount of Rs 40000 become Rs 44100 in two years where the interest is compounded annually ?

40,000 रुपये की राशि दो वर्षों में किस प्रतिशत दर से 44100 रुपये हो जाएगी, जहां ब्याज सालाना संयोजित होता है?

- (A) 2 (B) 5 (C) 4 (D) 7.5 (E) None of these



0:30

Q.28 :- The ratio of two number is $3 : 5$. If either is added to the first number and seven to the second number, the ratio becomes $2:3$. So what will be their ratio when six are added to each ?

दो संख्याओं का अनुपात $3 : 5$ है। यदि या तो पहली संख्या में और सात को दूसरी संख्या में जोड़ा जाए, तो अनुपात $2:3$ हो जाता है। तो उनका अनुपात क्या होगा जब प्रत्येक में छह जोड़े जाते हैं?

(A) $9 : 14$

(B) $7:9$

(C) $5:7$

(D) $5 : 9$

(E) None of these

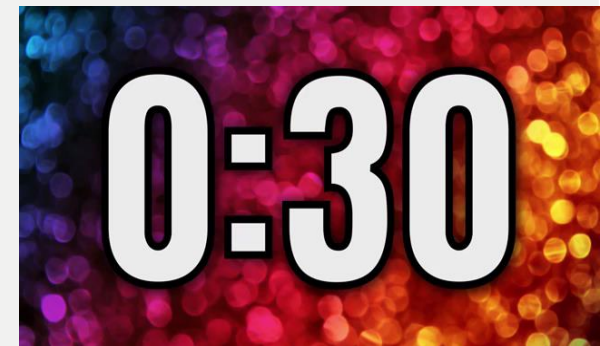


0:30

Q.29 :- The average run rate of a cricket team during the first 20 overs is 4.5. If it has to score a total of 282 runs in a match, what should be per over run rate for the next 30 overs?

एक क्रिकेट टीम का पहले 20 ओवरों में औसत रन रेट 4.5 होता है। यदि उसे एक मैच में कुल 282 रन बनाने हैं, तो अगले 30 ओवरों के लिए प्रति ओवर रन रेट क्या होना चाहिए?

- (A)6.0 (B)6.3 (C)6.8 (D)6.4 (E) None of these



Q.30 :- In how many different way can the letters to the word 'HOUSE' be arranged?

शब्द 'HOUSE' के अक्षरों को कितने प्रकार से व्यवस्थित किया जा सकता है?

(A)120

(B)720

(C)24

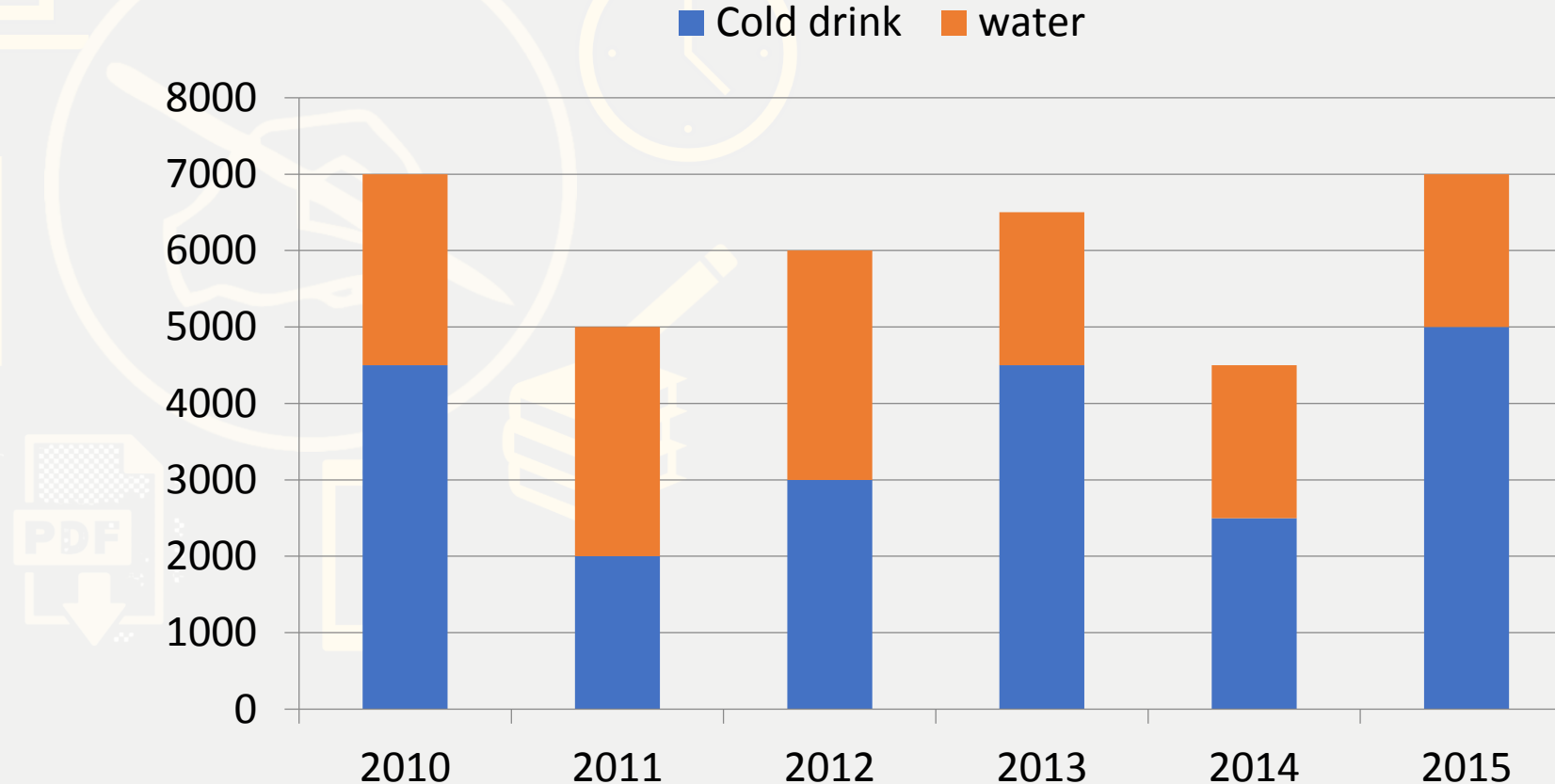
(D)60

(E) None of these



Directions (Q. 31-35): Read the following information carefully to answer the questions asked –

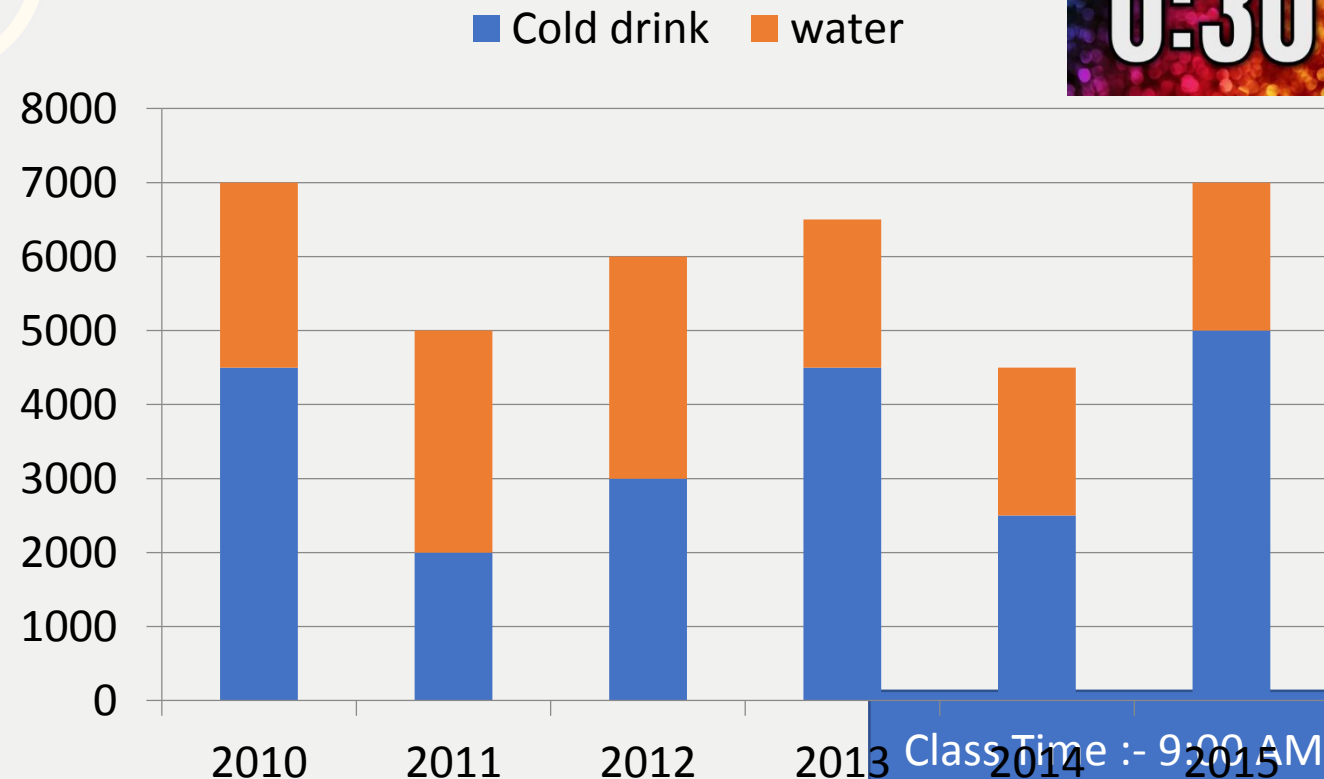
Quantity of cold- drink and water produced by a factory over the years.



Q.31 :- What is the ratio of quantity of cold- drink produced in the year 2010 to the quantity of water produced in the year 2014 ?

वर्ष 2010 में उत्पादित कोल्डड्रिंक की मात्रा का वर्ष 2014 में उत्पादित पानी की मात्रा से अनुपात कितना है?

- (A)4:9 (B)8:5 (C)9:4 (D)5:8 (E)None of these



0:30

Q.32 :- Quantity of cold- drink produced in year 2012 is what percent of total number of quantity (cold-drink + water) produced in 2011 ?

वर्ष 2012 में उत्पादित कोल्ड ड्रिंक की मात्रा 2011 में उत्पादित कुल मात्रा (कोल्ड ड्रिंक + पानी) का कितना प्रतिशत है?

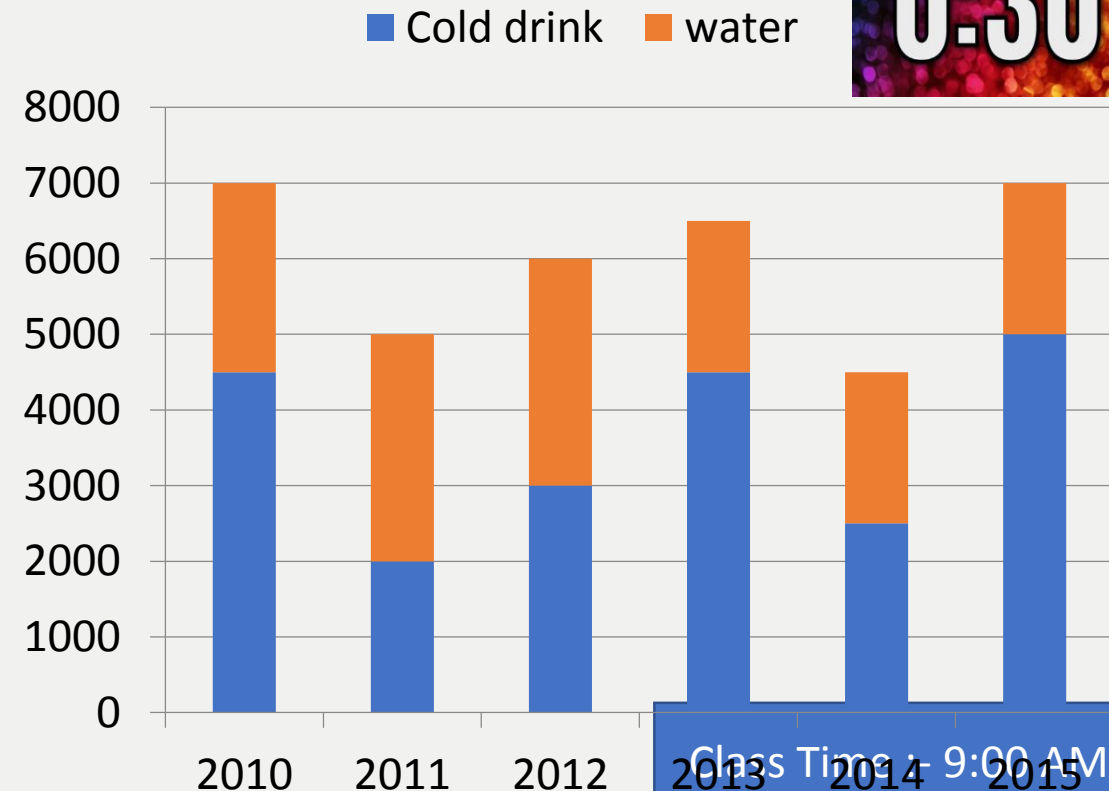
(A)65%

(B)70%

(C)75%

(D)80%

(E)None of these



0:30

Class Time - 9:00 AM

Q.33 :- What is the ratio between quantities of produced water and produced cold- drink in 2013 ?

2013 में उत्पादित पानी और उत्पादित कोल्डड्रिंक की मात्रा के बीच का अनुपात क्या है?

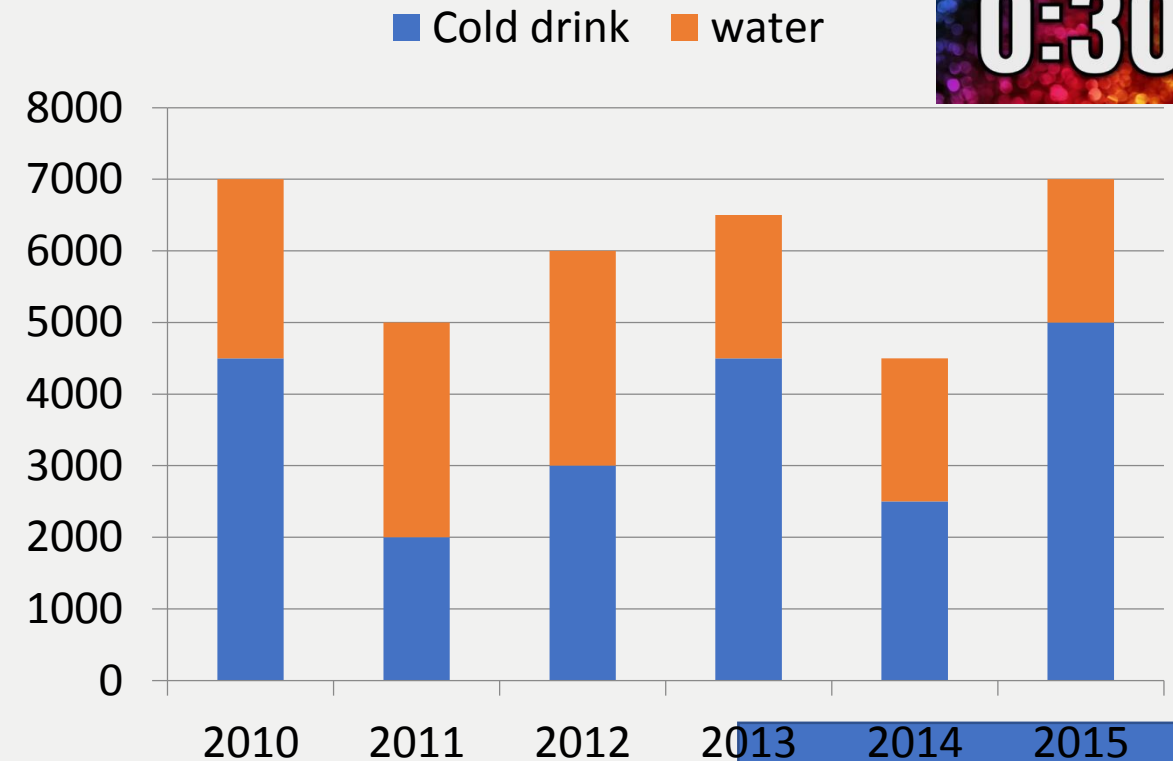
(A)2:3

(B)9:4

(C)1:4

(D)4:9

(E)None of these



0:30

Q.34 :- The percentage increase / decrease in production of cold – drink from the previous year was the highest for which year ?

पिछले वर्ष की तुलना में कोल्ड ड्रिंक के उत्पादन में प्रतिशत वृद्धि/कमी किस वर्ष सबसे अधिक थी?

(A)2010

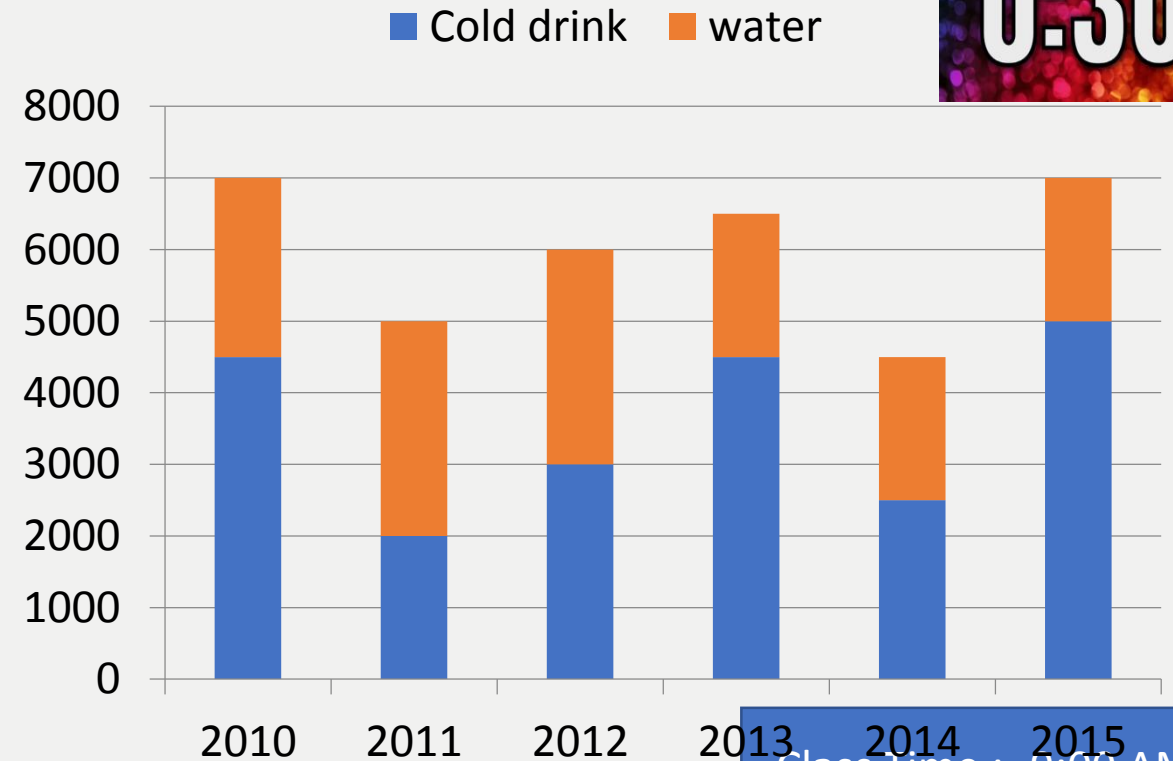
(B) 2011

(C)2012

(D)2014

(E)2015

0:30



Q.35 :- What is the approximate average quantity of cold – drink produced over the years ?

वर्षों में उत्पादित कोल्डड्रिंक की अनुमानित औसत मात्रा कितनी है?

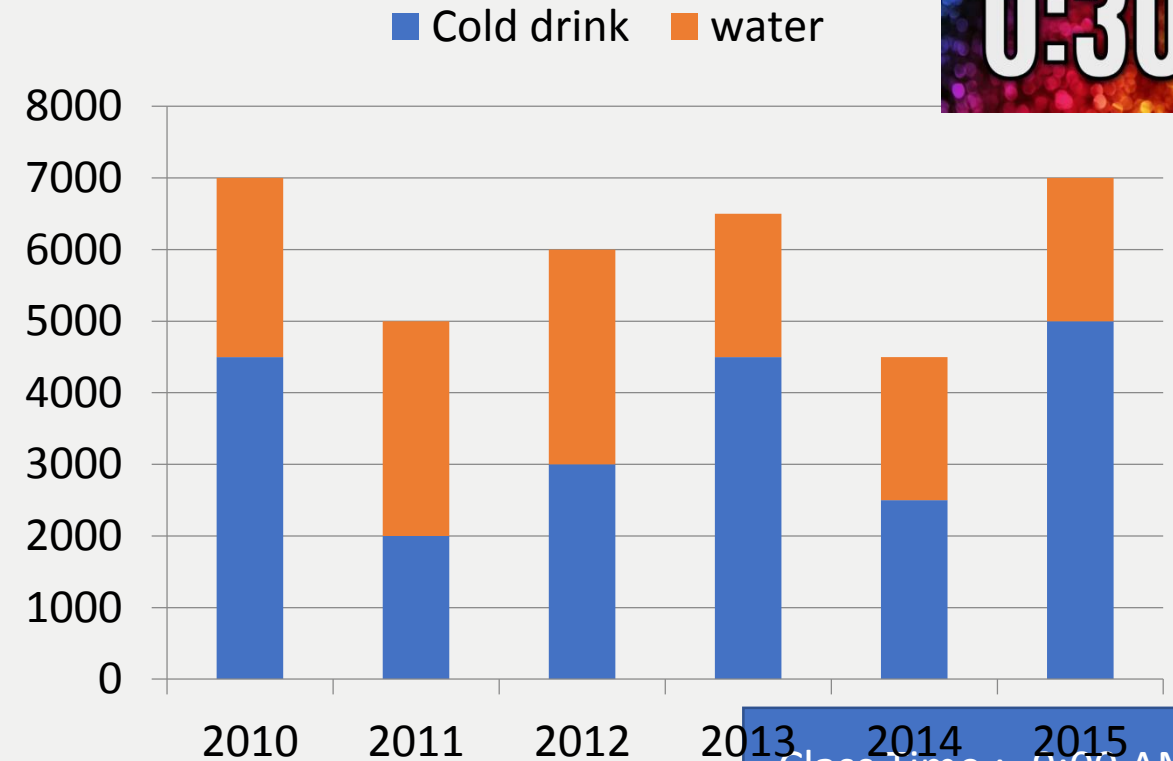
(A)3133

(B)4333

(C)3583

(D)4666

(E)None of these



0:30