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MATHS

25 DAYS PAPERS

PAPER-9

LIVE | 09:00 AM





UPCOMING ONLINE BATCHES

July 2022

06 July 2022

05:30 PM to 07:30 PM

BANK ONLINE LIVE CLASS

03:00 PM to 05:00 PM

SSC ONLINE LIVE CLASS

BILINGUAL

13 July 2022

08:00 AM to 10:00 AM

BANK ONLINE LIVE CLASS

07:30 PM to 09:30 PM

SSC ONLINE LIVE CLASS

BILINGUAL

20 July 2022

01:00 PM to 03:00 PM

BANK ONLINE LIVE CLASS

10:30 AM to 12:30 PM

SSC ONLINE LIVE CLASS

BILINGUAL

27 July 2022

10:30 AM to 12:30 PM

BANK ONLINE LIVE CLASS

08:00 AM to 10:00 AM

SSC ONLINE LIVE CLASS

BILINGUAL

06 July 2022

07:30 PM to 09:30 PM

BANK ONLINE LIVE CLASS

ENGLISH MEDIUM



Mohit.. 21 hours ago

Thank-you Sir for this Amazing Class Session of today's.. 🙌👍😊

And

My Answer for today's Homework is like-
Option C- 54....

Read more

👍 🗨️ REPLY

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Gautam 13 hours ago

Homework Answer- 54.

Very Awesome Session Sir.. 👍👍

Thankyou Sir.. 😊😊

👍 🗨️ REPLY



debasish chakraborty 21 hours ago

Homework : 54

Thank you sir. Awesone session.

👍 🗨️ REPLY

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ruma rajwar 20 hours ago

Homework ans: option c-54

Thank you sir 😊

👍 🗨️ REPLY

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Nitika Gupta 21 hours ago

Homework

Ans: 54

👍 🗨️ REPLY

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

Q.1:- $53\% \text{ of } ? = (26)^2 - 358$

(A)500

(B)400

(C)600

(D)720

(E) None of these



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

Q.2:- $6750 \div 25 \div 18 \times 2 = ?$

(A)35

(B)27

(C)38

(D)35

(E) 30



0:30

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

Q.3:- $[2\sqrt{5} + 5\sqrt{5}] \times 7\sqrt{5} = ?$

(A)245

(B)254

(C)243

(D)234

(E) None of these



0:30

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

Q.4:- $696.69 + 669.96 + 699.66 = ?$

(A)206.613

(B)206.631

(C)260.613

(D)260.631

(E)None of these



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

Q.5:- 25% of 1245 + $?\%$ of 725 = 420

- (A)15 (B)18 (C)22 (D)20 (E)11



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

Q.6:- 30% of $4450 + 60\%$ of $350 = ?$

(A)1535

(B)1540

(C)1530

(D)1525

(E)1545



0:30

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

Q.7:- $81 + 40 \times 1.50 - 18 = ?$

(A)123

(B)132

(C)141

(D)114

(E)159



0:30

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

Q.8:- $\sqrt{5929} + \sqrt{8464} = (?)^2$

- (A)23 (B)21 (C)11 (D)13 (E) None of these



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

Q.9:- $58^2 - 8^2 = 400 + ?$

(A)2900

(B)3000

(C)3300

(D)3600

(E) None of these



0:30

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

Q.10:- $\sqrt{1296} \div 4 \times 12 = ?$

(A)108

(B)96

(C)36

(D)84

(E) None of these



0:30

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

Q.11:- 3.1 , 11.3, 48.2 , ? , 1475

(A)424.5

(B)245

(C)242

(D)212.5

(E)None of these



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

Q.12:- 10 , 11 , 13 , 21 , 69 ,?

(A)384

(B)490

(C)453

(D)390

(E) None of these



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

Q.13:- 27 , 41 , 67 , 105 , 155 , ?

(A)217

(B)216

(C)218

(D)219

(E)220



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

Q.14:- 18 , 10 , 22 , 14 , 32 , ?

- (A)12 (B)14 (C)21 (D)23 (E)None of these



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

Q.15:- 120 , 60 , 40 , 30 , 24 , ?

(A)36

(B)30

(C)20

(D)16

(E)12



0:30

Q.16:- The population of a town increased by 20% during first year and decreases by 10% during second year . If the present population is 86400. what it was 2 years ago ?

एक शहर की जनसंख्या में पहले वर्ष में 20% की वृद्धि हुई और दूसरे वर्ष के दौरान 10% की कमी आई। यदि वर्तमान जनसंख्या 86400 है। 2 वर्ष पहले यह कितनी थी?

(A)81000

(B)80000

(C)86000

(D)90000

(E) 85000

0:30

Q.17:- The difference between 58% of a number and 23% of the same number is 4235. what is 68% of that number?

एक संख्या के 58% और उसी संख्या के 23% के बीच का अंतर 4235 है। उस संख्या का 68% क्या है?

(A)8338

(B)8428

(C)8228

(D)8098

(E) None of these



Q.18 :- The ratio between present ages of shipra and shweta is 5:4. 4 years ago , shweta's age was 24 years . What will be shipra's age after 8 years?

शिप्रा और श्वेता की वर्तमान आयु का अनुपात 5:4 है। 4 वर्ष पूर्व श्वेता की आयु 24 वर्ष थी। 8 वर्ष बाद शिप्रा की आयु क्या होगी?

(A)42 years

(B)43years

(C)35years

(D)45years

(E)25 years



Q.19 :- 30 children can do a piece of work in 16 days . How many children would be required to do the same work in 20 days ?

30 बच्चे एक काम को 16 दिनों में कर सकते हैं। उसी कार्य को 20 दिनों में करने के लिए कितने बच्चों की आवश्यकता होगी?

(A)12

(B)24

(C)36

(D)48

(E)None of these



Q.20 :- Meera purchased an item for Rs. 62000/- and sold at loss of 25 percent. With that amount she purchased another item and sold it – at a gain of 30 percent . What was her overall gain/ loss ? मीरा ने एक वस्तु रु. 62000/- और 25 प्रतिशत हानि पर बेचा गया। उस राशि से उसने एक और वस्तु खरीदी और उसे 30 प्रतिशत के लाभ पर बेच दिया। उसका कुल लाभ/हानि क्या था?

- (A) Loss of Rs.1560/ (B) profit of Rs. 1560/- (C) Loss of Rs. 1550 (D) profit of Rs. 1550/-
(E) None of these



Directions (Q. 21-25): Read the following information carefully to answer the questions asked – Following Table chart gives information related to the sale of mixer grinders of three shopkeepers.

DAY	A : B : C	Sum of sale A and c
Monday	7 : 9 : 12	608
Tuesday	15:7:11	650
Wednesday	6 :5: 11	629
Thursday	25:12:10	805
Friday	15:5:12	756
Saturday	5 : 6: 9	686

Q.21 :- Find the difference of total sale of all three shopkeeper on Tuesday and Thursday.

मंगलवार और गुरुवार को तीनों दुकानदारों की कुल बिक्री का अंतर ज्ञात कीजिए।

(A)202

(B)256

(C)244

(D)265

(E) None of these

DAY	A : B : C	Sum of sale A and c
Monday	7 : 9 : 12	608
Tuesday	15:7:11	650
Wednesday	6 :5: 11	629
Thursday	25:12:10	805
Friday	16:5:12	756
Saturday	5 : 6: 9	686

0:30

Q.22 :- Sale of shopkeeper A on Tuesday is what percent of the sale of shopkeeper C on same day?

मंगलवार को दुकानदार A की बिक्री, उसी दिन दुकानदार C की बिक्री का कितना प्रतिशत है?

(A) $131 \frac{4}{11}\%$

(B) $136 \frac{4}{11}\%$

(C) $137 \frac{1}{8}\%$

(D) $130 \frac{13}{22}\%$

(E) None of these

DAY	A : B : C	Sum of sale A and c
Monday	7 : 9 : 12	608
Tuesday	15:7:11	650
Wednesday	6 :5: 11	629
Thursday	25:12:10	805
Friday	16:5:12	756
Saturday	5 : 6: 9	686

0:30

Q.23 :- Find the total sale of shopkeeper B from Monday to Sunday , if the sale on Sunday was 20% more than his sale on Wednesday .

सोमवार से रविवार तक दुकानदार B की कुल बिक्री ज्ञात कीजिए, यदि रविवार को हुई बिक्री बुधवार को उसकी बिक्री से 20% अधिक थी।

(A)1545

(B)1620

(C)1605

(D)1575

(E)None of these

DAY	A : B : C	Sum of sale A and c
Monday	7 : 9 : 12	608
Tuesday	15:7:11	650
Wednesday	6 :5: 11	629
Thursday	25:12:10	805
Friday	16:5:12	756
Saturday	5 : 6: 9	686

0:30

Q.24 :- Find the ratio of total sale B and C on Tuesday to Saturday.
मंगलवार से शनिवार को कुल बिक्री B और C का अनुपात ज्ञात कीजिए।

(A)15:22

(B)44:53

(C)13:25

(D)9:17

(E) None of these

DAY	A : B : C	Sum of sale A and c
Monday	7 : 9 : 12	608
Tuesday	15:7:11	650
Wednesday	6 :5: 11	629
Thursday	25:12:10	805
Friday	16:5:12	756
Saturday	5 : 6: 9	686

0:30

Q.25 :- On which day total sale of all three shopkeepers was second lowest ?

किस दिन तीनों दुकानदारों की कुल बिक्री दूसरी सबसे कम थी?

(A) Wednesday

(B) Friday

(C) Tuesday

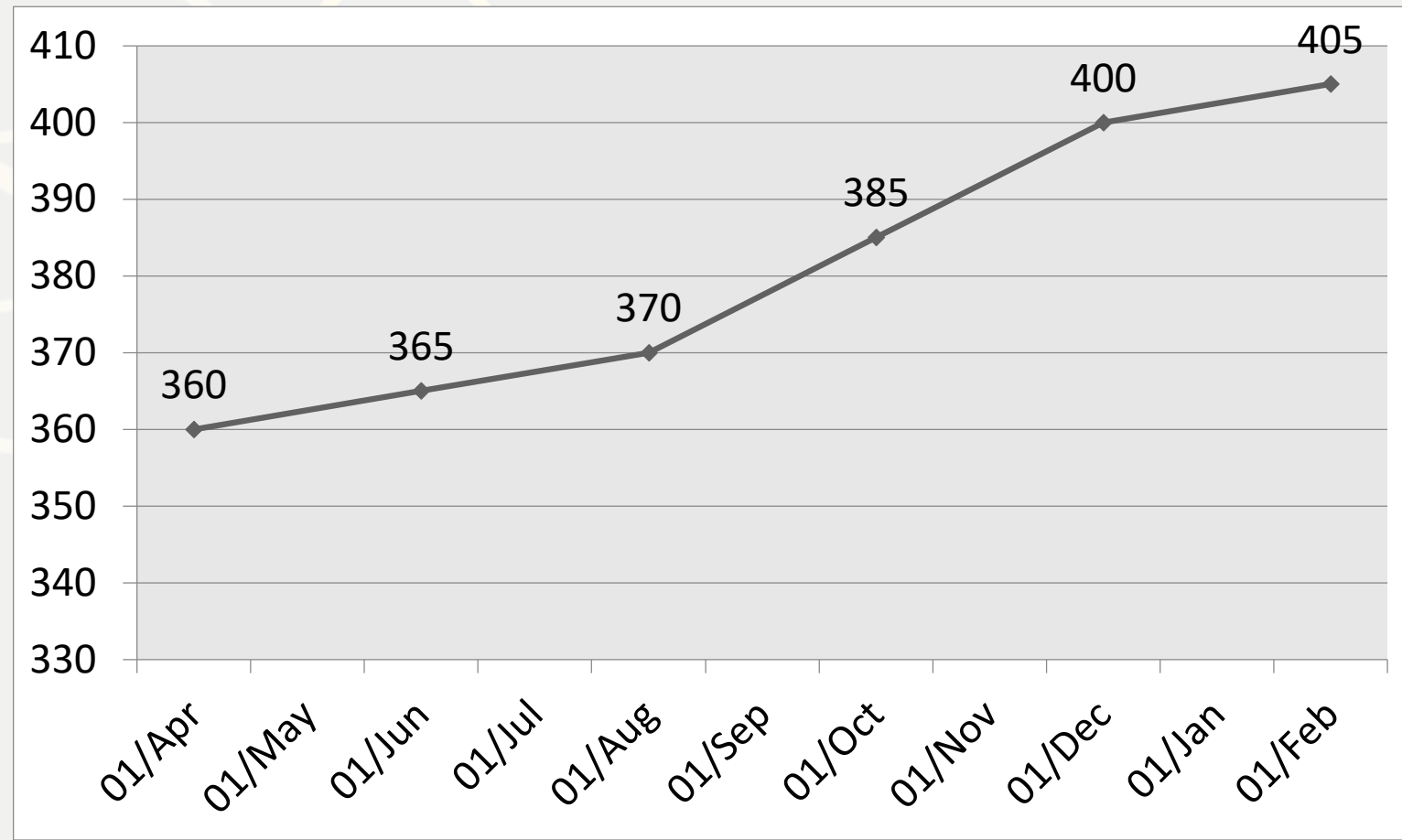
(D) Thursday

(E) Saturday

DAY	A : B : C	Sum of sale A and c
Monday	7 : 9 : 12	608
Tuesday	15:7:11	650
Wednesday	6 :5: 11	629
Thursday	25:12:10	805
Friday	16:5:12	756
Saturday	5 : 6: 9	686

0:30

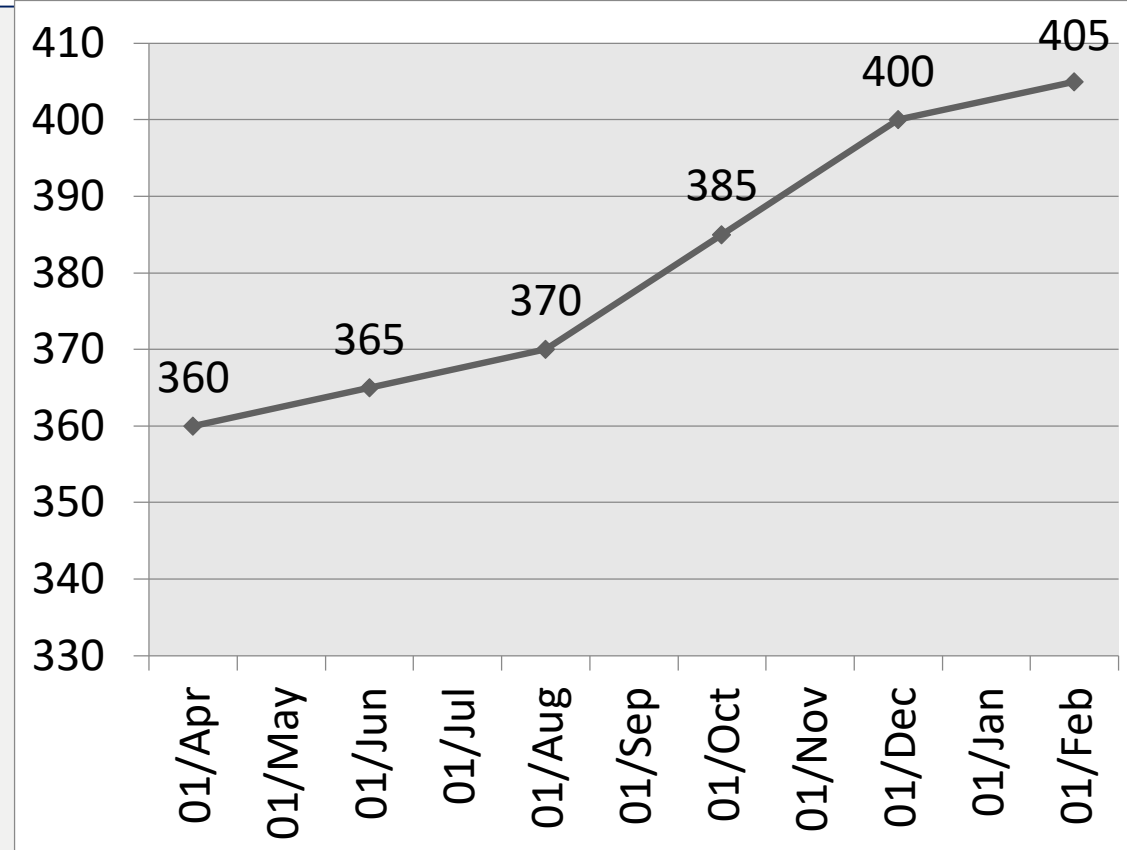
Directions (Q. 26-30): Read the following information carefully to answer the questions asked – Marks obtained by a student in 6 periodical exam held in each two month in 2010-2011 maximum marks in each periodical exam = 500



Q.26 :- In how many periodical exam is the marks obtained more than average marks ?

कितनी आवधिक परीक्षा में औसत अंक से अधिक अंक प्राप्त हुए हैं?

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



0:30

Q.27 :- What is the percentage marks obtained by the student in periodical exam june and October ?

छात्र द्वारा आवधिक परीक्षा जून और अक्टूबर में प्राप्त अंकों का प्रतिशत कितना है?

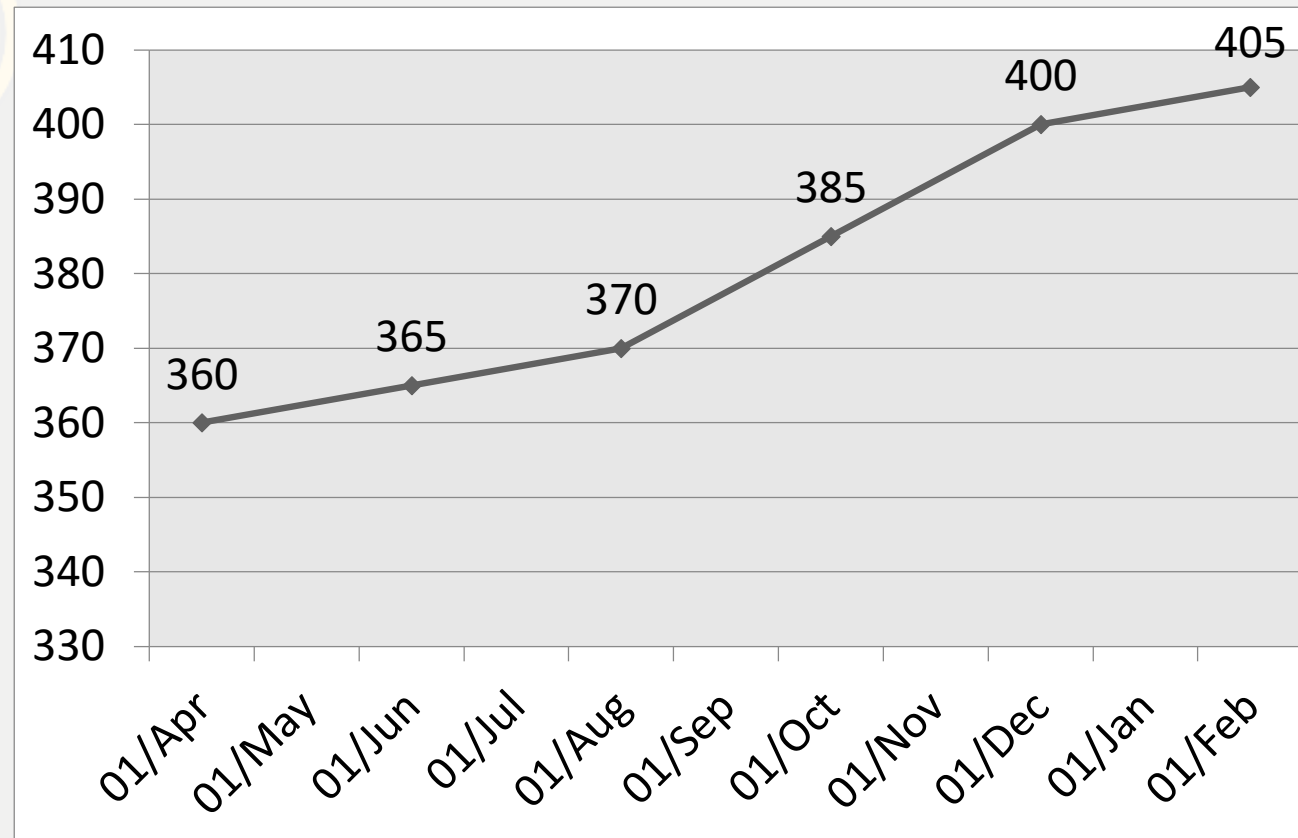
(A) 78

(B) 72

(C) 70

(D) 76

(E) None of these

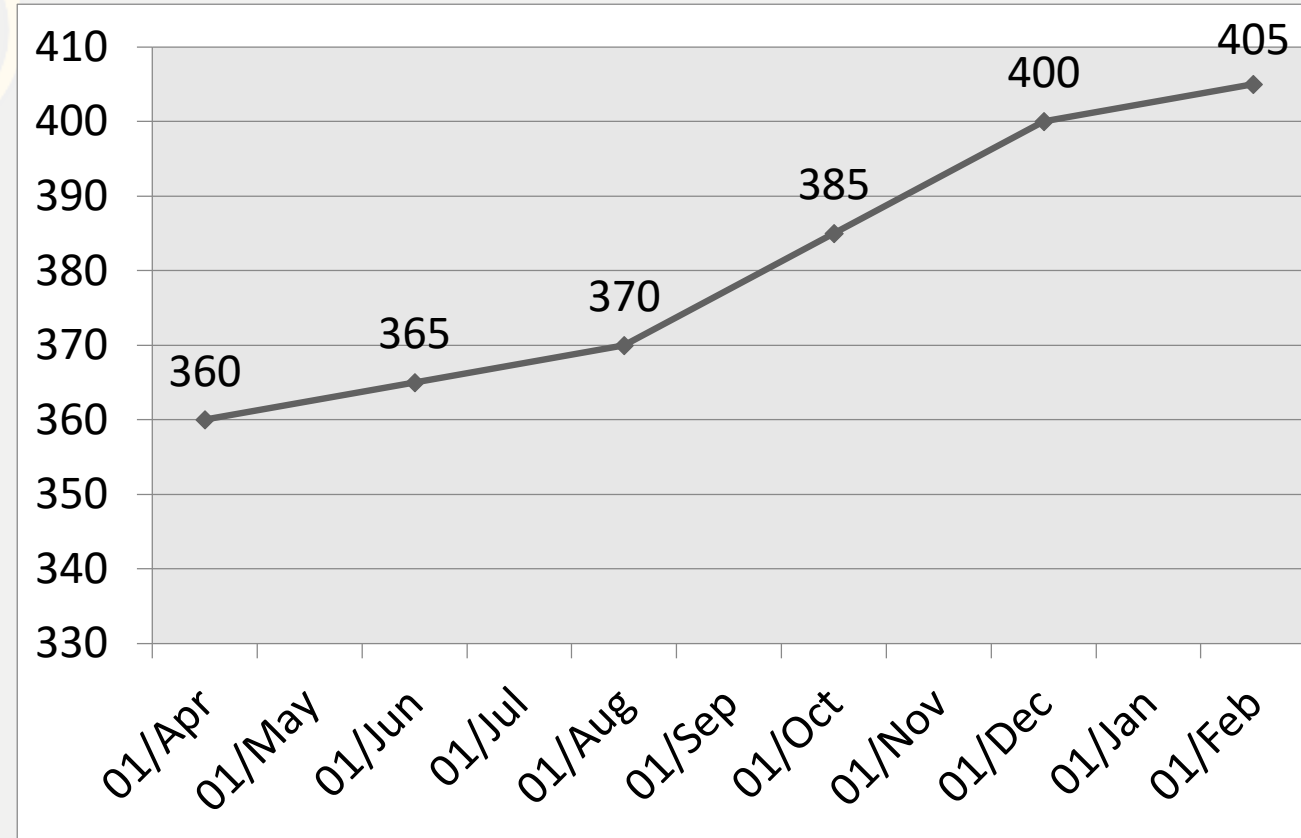


0:30

Q.28 :- The marks obtained by the student in October is approximately what percent of the marks obtained in February ?

अक्टूबर में छात्र द्वारा प्राप्त अंक फरवरी में प्राप्त अंकों का लगभग कितना प्रतिशत है?

- (A) 95 (B) 88 (C) 82 (D) 91 (E) 87



0:30

Q.29 :- What is the average marks obtained by the student in all the periodical exam ?

सभी आवधिक परीक्षा में छात्र द्वारा प्राप्त औसत अंक क्या है?

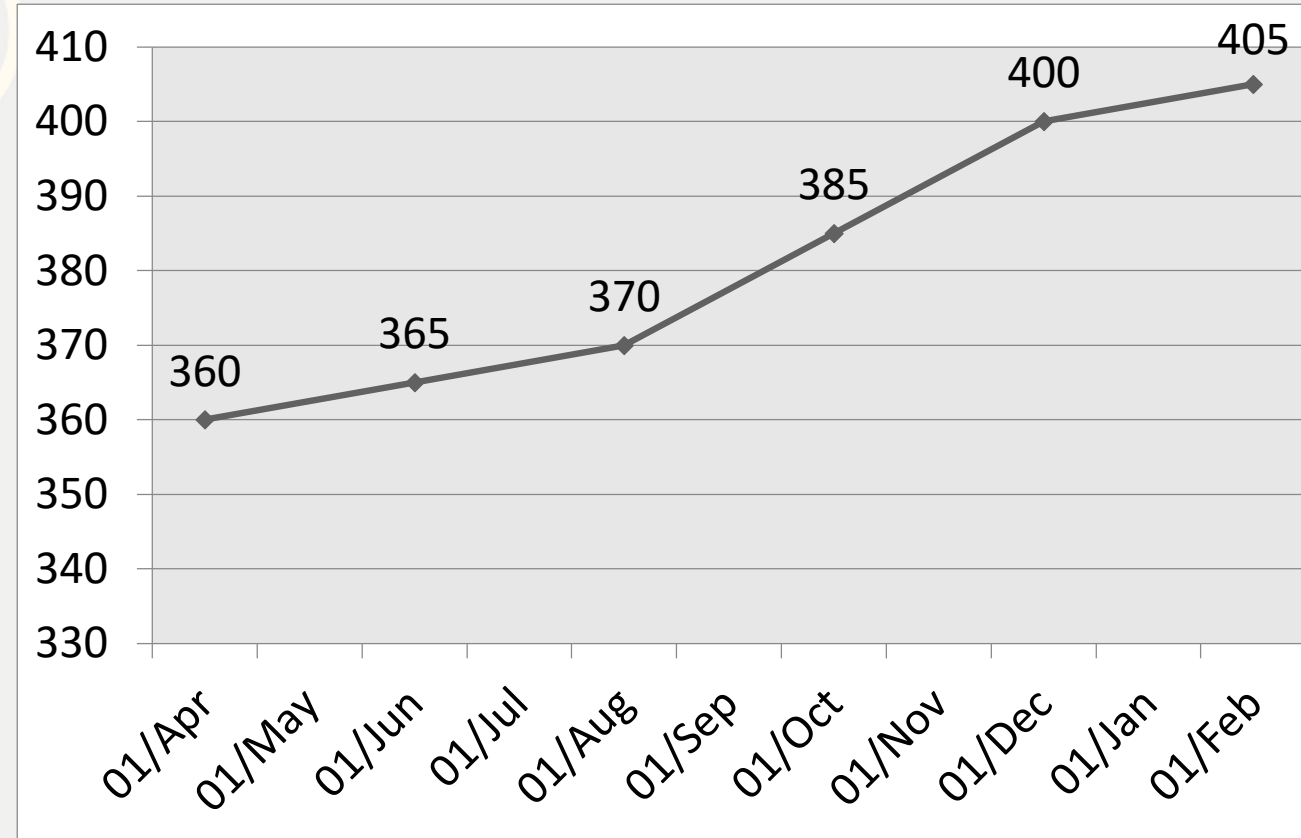
(A) 378

(B) 388

(C) 383

(D) 381

(E) 386

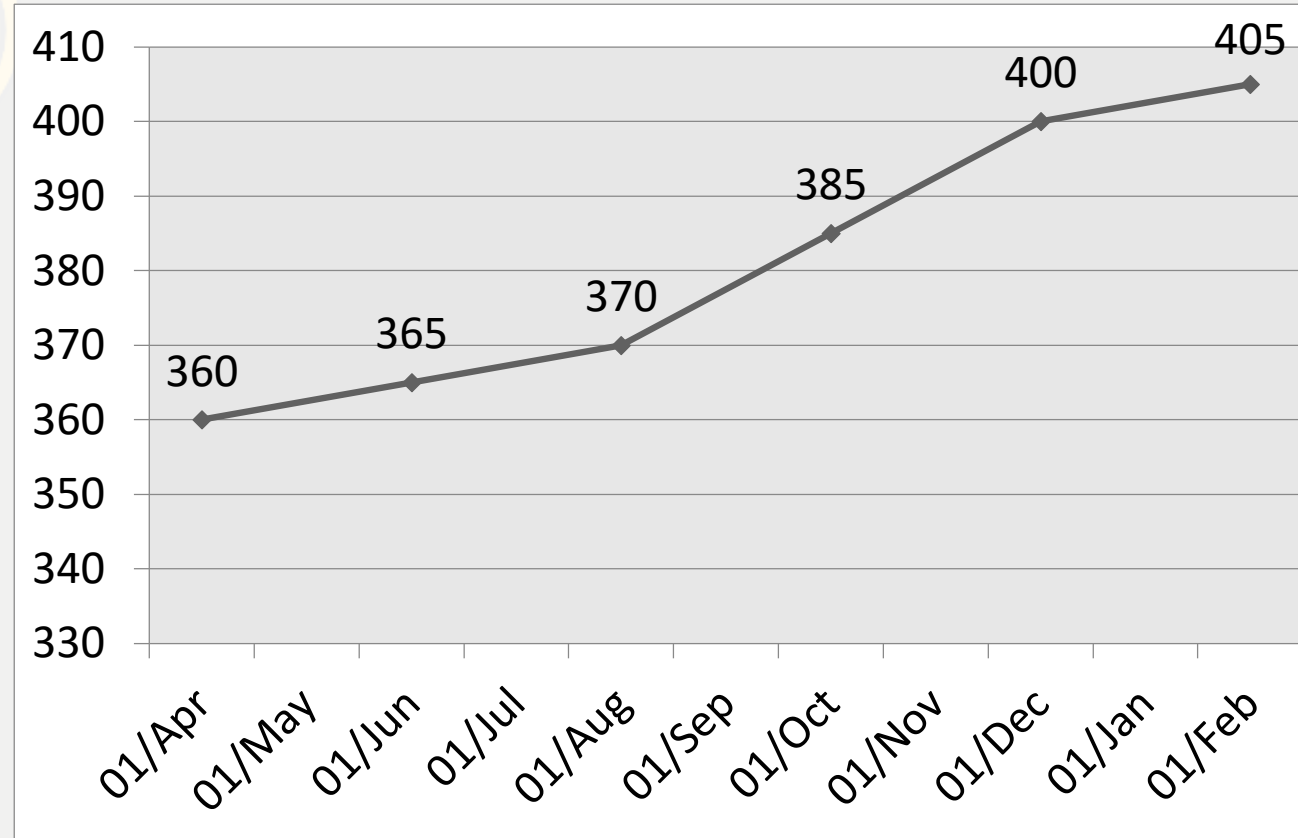


0:30

Q.30 :- The marks obtained by the student in February is what percent more than the marks obtained in April ?

फरवरी में छात्र द्वारा प्राप्त अंक अप्रैल में प्राप्त अंकों से कितने प्रतिशत अधिक है?

- (A) 15 (B) 14.2 (C) 12.5 (D) 10 (E) None of these



Direction (31–35): 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.31 :- I. $3x^2 - x - 70 = 0$

II. $5y^2 - 31y + 48 = 0$

Q.32 :- I. $x^2 = 4$

II. $y^2 + 6y + 9 = 0$

Q.33 :- I. $x^2 - x - 6 = 0$

II. $2y^2 + 13y + 21 = 0$

Q.34 :- I. $x^2 + 5x + 6 = 0$

II. $y^2 + 3y + 2 = 0$

Q.35 :- I. $x^2 = 4$

II. $y^2 + 4y = -4$

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

61. 3, 12, 37, 86, 167, ?

(A) 198

(B) 208

(C) 228

(D) 288

(E) 298



0:30

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

62. 1920, ?, 24, 4, 1, 0.5

(A) 192

(B) 240

(C) 144

(D) 288

(E) 196



0:30

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

63. 100, 119, 81, 138, ?

(A) 112

(B) 108

(C) 71

(D) 84

(E) 62



0:30

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

64. 1.1, ?, 3.9, 5.6, 7.5

(A) 1.8

(B) 2.8

(C) 2.4

(D) 2.1

(E) 2.2



0:30

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

65.7, 15, 31, ?, 127, 255

(A)62

(B)63

(C)64

(D)68

(E)84



0:30

THANKS

