MATHS SPECIAL



PRE + MAINS

LIVE CLASS (ONE TO ONE INTERACTION)

REGISTRATION OPEN

INCLUDES

- LIVE Classes
- Result Oriented Approach
- PDF Notes
- Conceptual Clarity

1 YEAR VALIDITY

USEFUL FOR

- ☐ SSC EXAMS
- BANK EXAMS
- □ CSAT
- ☐ STATE GOVT. EXAMS

BILINGUAL CONTENT



DOWNLOAD TAIYARI KARO APP TO JOIN THE BATCH

MATHS SYLLABUS



ARITHMATIC:

(SSC/BANK/CUET/CSAT/STATE GOVT)

Time and Work Pipe and Cistern

Percentage
Profit Loss and Discount
Compound Interest
Simple Interest

Average
Ratio and Proportion
Based of Ages
Partnership
Mixture and Alligation

Time Speed And Distance
Train
Race
Boat and Stream

BANK:

Number Series
Quadratic Equation
Simplification
Approximation

Data Interpretation

Mensuration

Permutation Combination Probability

SSC:

Number System LCM + HCF

Surds Indices Algebra

Trigonometry
Height and Distance

Geometry

Mensuration-2D Mensuration-3D

Co-ordinate Geometry



PERCENTAGE

CONVERSION FROM PERCENTAGE TO FRACTION

CONVERSION FROM FRACTION TO PERCENTAGE



Percent to Fraction

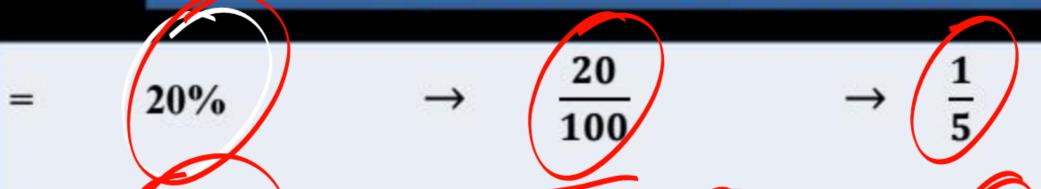
NO. OF QUESTIONS	CLASS NUMBER	CLASS DURATION
15 Questions	DAY - 1	1 HOURS

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MATHS WITH SACHIN BALIYAN SIR

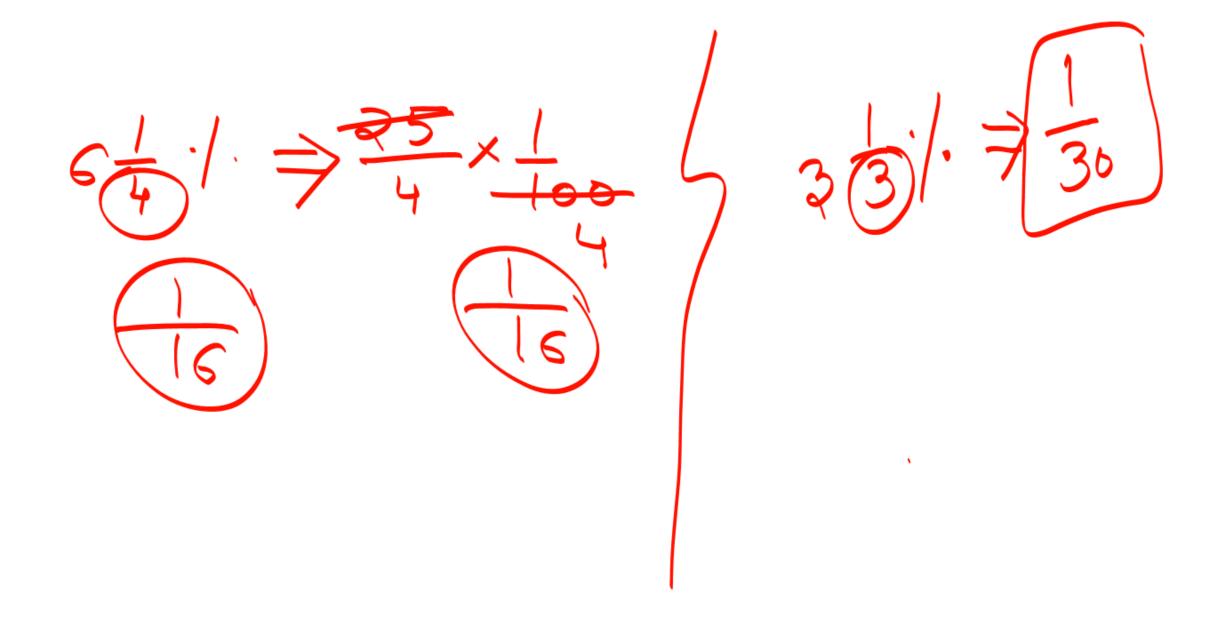


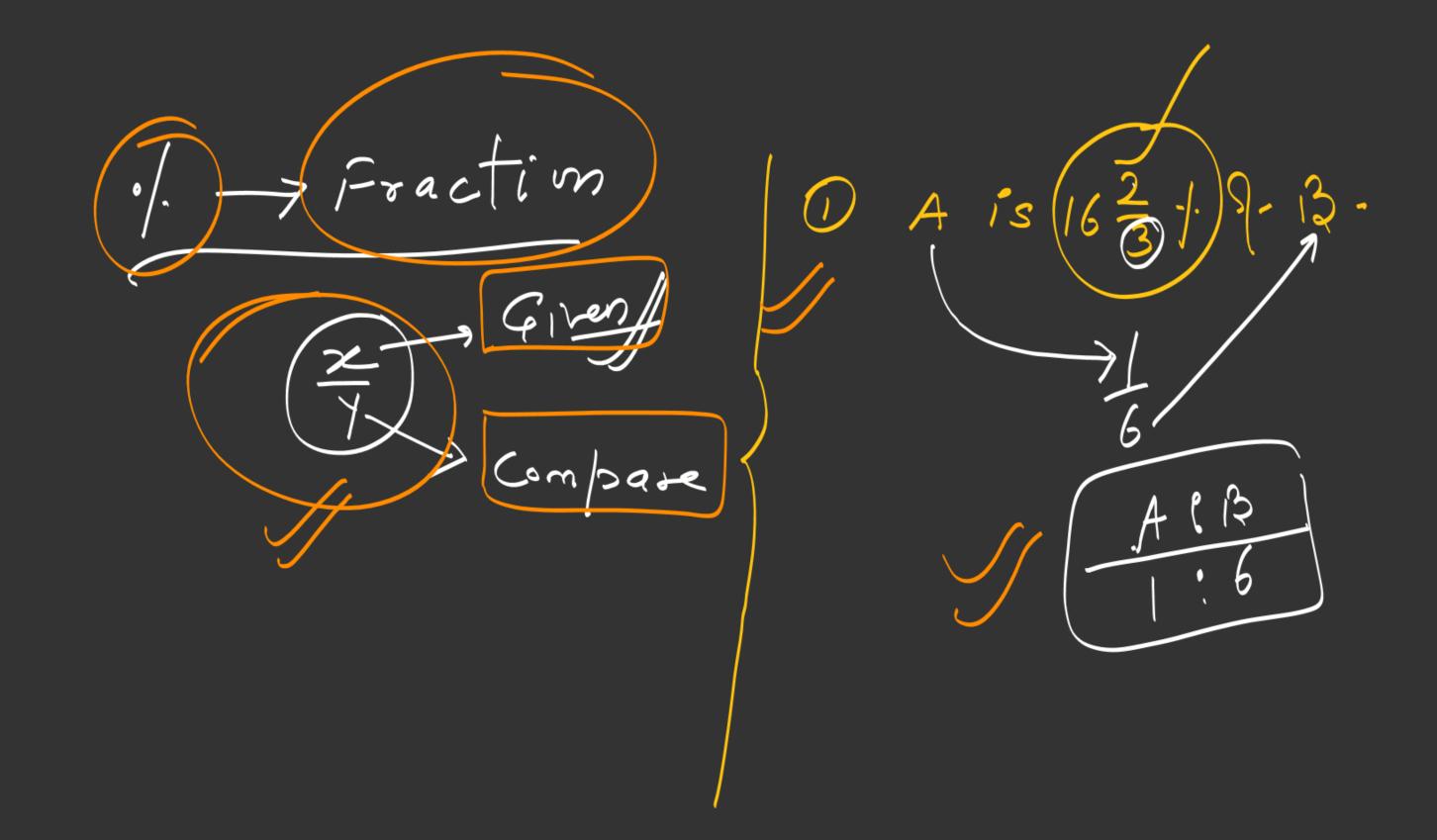




$$= \left(11\frac{1}{9}\right) \times \left(\frac{1}{100}\right) \times \left(\frac{1}{9}\right) \times \left(\frac{1}{9}\right)$$

$$= 16\frac{2}{3}\% \rightarrow \frac{50}{3} \times \frac{1}{100} \rightarrow \frac{1}{6}$$





95 (16 3 1/2) more 1 han B.

MATHS WITH SACHIN BALIYAN SIR



SOME IMPORTANT FRACTIONS

$$\frac{1}{1} = 100\%$$

$$\frac{1}{2} = 50\%$$

$$\frac{1}{3} = 33\frac{1}{3}\%$$

$$\frac{1}{4} = 25\%$$

$$\frac{1}{6} = 16\frac{2}{3}\%$$

$$\frac{1}{11} = 9\frac{1}{11}\%$$

$$\frac{1}{16} = 6\frac{1}{4}\%$$

$$\frac{1}{7} = 14\frac{2}{7}\%$$

$$\frac{1}{12} = 8\frac{1}{3}\%$$

$$\frac{1}{17} = 5\frac{15}{17}\%$$

$$\frac{1}{8} = 12\frac{1}{2}\%$$

$$\frac{1}{13} = 7\frac{9}{13}\%$$

$$\frac{1}{18} = 5\frac{5}{9}\%$$

$$\frac{1}{4} = 25\%$$

$$\frac{1}{9} = 11\frac{1}{9}\%$$

$$\frac{1}{14} = 7\frac{1}{7}\%$$

$$\frac{1}{19} = 5\frac{5}{19}\%$$

$$\frac{1}{5} = 20\%$$

$$\frac{1}{10} = 10\%$$

$$\frac{1}{15} = 6\frac{2}{3}\%$$

$$\frac{1}{20} = 5\%$$

MATHS WITH SACHIN BALIYAN SIR



when $16\frac{2}{3}$ % of a number is added with that number itself then resulted number becomes 2842 then find the original number ?

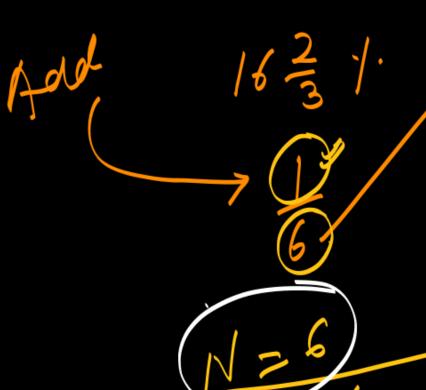
जब किसी संख्या का $16\frac{2}{3}$ % उसी संख्या के साथ जोड़ा जाता है तो परिणामी संख्या 2842 हो जाती है तब मूल संख्या ज्ञात करें?

(a)2800

(d) 2436/

(b) 2640

- (c) 2700
- (e) None of these



6×406

MATHS WITH SACHIN BALIYAN SIR

when $57\frac{1}{7}$ % of a number is added with that number itself then resulted becomes 1210/then find the number original number ?

जब किसी संख्या का 57 - % उसी संख्या के साथ जोड़ा जाता है तो परिणामी संख्या/1210 हो जाती है तब मूल संख्या जात करे?

(a)2800

(e) 770 (b) 2640

(d) 2000 (e) None of these

MATHS WITH SACHIN BALIYAN SIR



when 37 $\frac{1}{2}$ % of number subtracted with that number **itself** then resulted number becomes 2400 then find the original number ? जब किसी संख्या का 37 2 % उसी संख्या से घटाया जाता है तो परिणामी संख्या 2400 हो जाती है तब मूल संख्या जात करें? (a)2800 (b) 2640 (c) 770

(e) None of these

(d) 3840

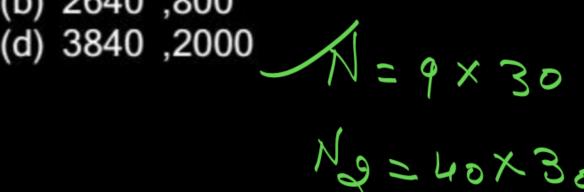
NOW =

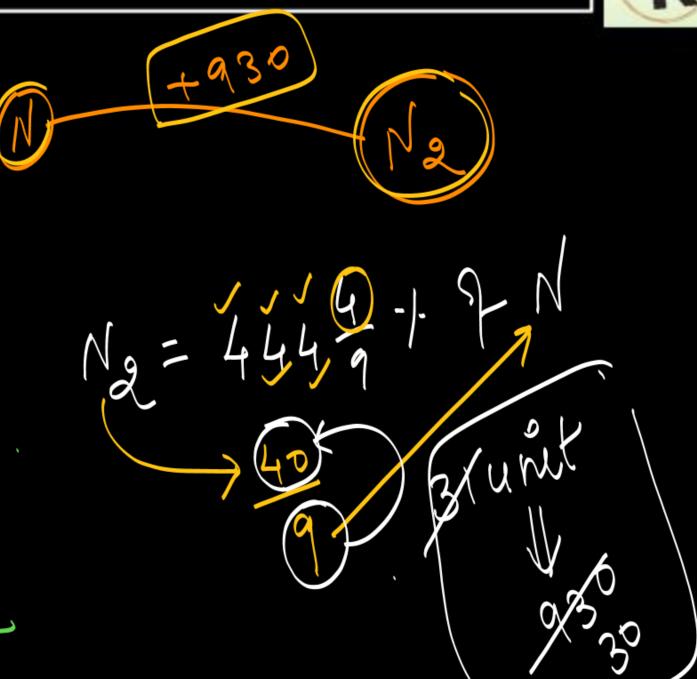
MATHS WITH SACHIN BALIYAN SIR

when 930 is added in a number then resulted number will becomes $444\frac{4}{9}$ % of that number . find the original number and new number? जब 930 को एक सख्या में जोड़ा जाता है तो परिणामी संख्या उस संख्या का 444 4 % हो जाएगी। मूल संख्या और नया नंबर जात करें?

- (a)2800 ,1200
- (b) 2640,800
- (c) 270 , 1200

(e) None of these





MATHS WITH SACHIN BALIYAN SIR



By increasing a number 72 the number becomes $442\frac{6}{7}\%$ of original number. What is original number? संख्या 72 बढ़ने से नई संख्या मूल संख्या का $442\frac{6}{7}\%$ हो जाती है। मूल संख्या क्या है?

- (a) 21 (b) 17
- (c) 19 (d) 16
- (e) None of these

MATHS WITH SACHIN BALIYAN SIR



If Sumit's income increased by $18\frac{3}{4}\%$ and becomes 7600. Find initial income.

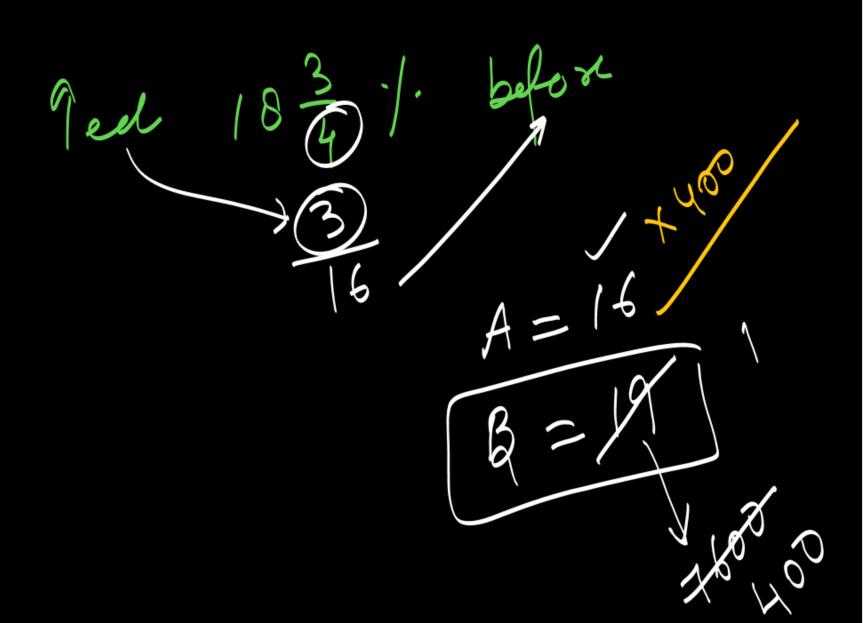
यदि सुमित की आय में 18 3 % की वृद्धि हुई और 7600 हो गई। प्रारंभिक आय का पता लगाएं।

(a) 4800

(b) 4700

(c) 4500

- (d) 4200
- (e) None of these



MATHS WITH SACHIN BALIYAN SIR



Amit invested $6\frac{2}{3}\%$ more than mona. mona invested $16\frac{2}{3}\%$ less than Raghu. if total their investment is 4900 then find the investment of Raghu?

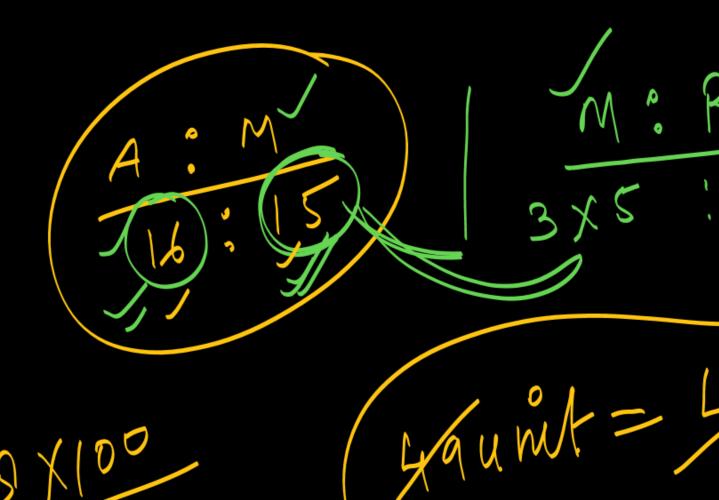
अमित ने मोना से $6\frac{2}{3}$ % अधिक निवेश किया। मोना ने रघु से $16\frac{2}{3}$ % कम निवेश किया। यदि उनका कुल निवेश 4900 है तो रघु का निवेश ज्ञात कीजिए?

(a)1600

(b) 1640

(c) 1500

- (d) 1800
- (e) None of these



MATHS WITH SACHIN BALIYAN SIR

Divya decided to donate 15% of her salary to an NGO. But on the day of donation each she changed her mind and donated Rs 1896, which was 80% of what she had decided earlier. How much is Divya's salary?

दिव्या ने अपने वेतन का 15% एक एनजीओ को दान करने का फैसला किया। लेकिन दान के दिन उसने अपना मन बदल दिया और 1896 रुपये दान किए, जो कि उसने पहले तय किए गए पैसे का 80% था। दिव्या का वेतन कितना है?

- (a)16000
- (b) 16400 (c) 18500
- (d)15800 (e) None of these