



ZO MATHS SPECIAL OCTOBER MATHS SPECIAL

8506003399 9289079800



SHERSHAAH BATCH

BISTS & MANUS

(Arithmetic + Advance)

Starting From Geometry For All Exam

VALIDITY-LIFETIME

- ZERO TO HERO LEVEL
- **UPDATED SHEETS & PDF**
- SMART APPROACH
- CLASS NOTES (BILINGUAL)

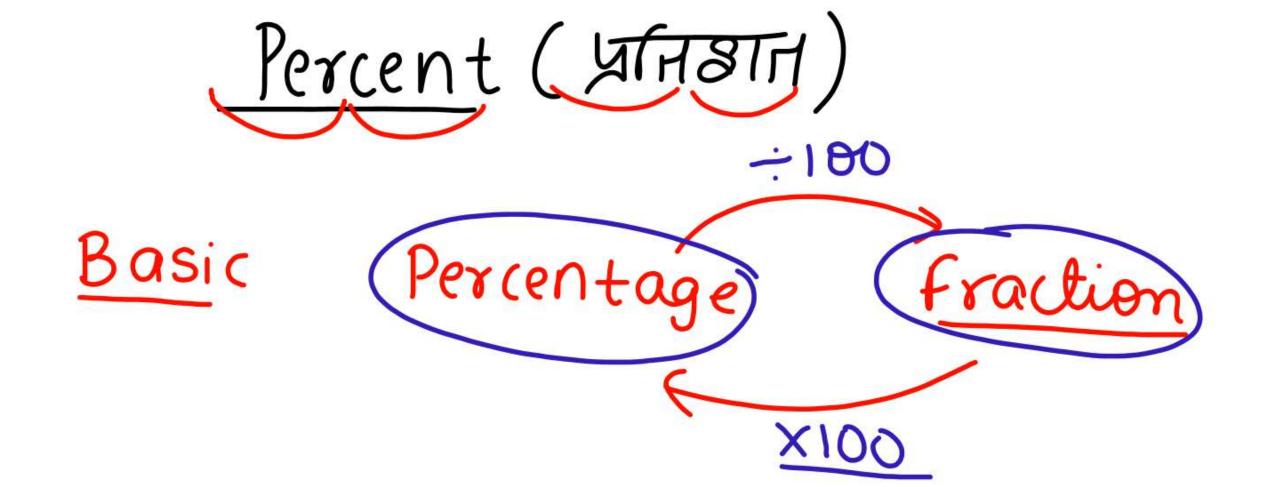




ADITYA RANJAN (MATHS EXPERT)



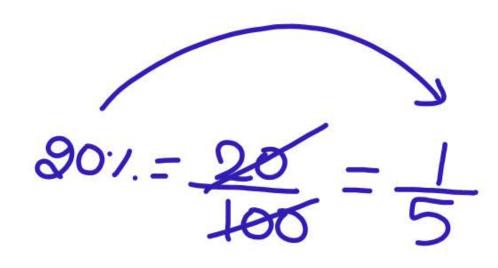
COMPLETE CLASS NOTES BY ADITYA RANJAN



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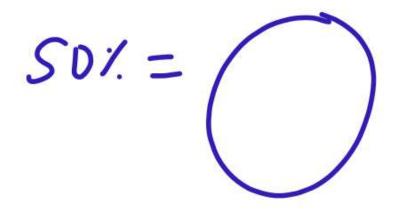
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$$10\% = 10\% = 10$$



$$11! = 11 \\ 100$$

$$\frac{1}{4} \times 100\% = 95\%$$





DERCENTAGE

FRACION	PERCENTAGE	
1 ×100%. 1	100%	
1 X100%	50%	

 $\frac{1}{3}$ X 100%

 $33\frac{1}{3}\%$ 25%

 $\frac{1}{4}$ X100%

20%

FRACTION

PERCENTAGE

$$(16\frac{2}{3}\%)$$
 16.66% .

$$\begin{pmatrix} 1 \\ \overline{7} \end{pmatrix}$$

$$\frac{1}{8}$$

$$12\frac{1}{2}\% = 12.5\%$$

$$\frac{1}{9}$$

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

$$\frac{1}{10}$$

FRACTION

PERCENTAGE

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

$$\frac{1}{12} \times \frac{100}{3} = \frac{25}{3} = 8\frac{1}{3}$$

$$\frac{1}{13}$$

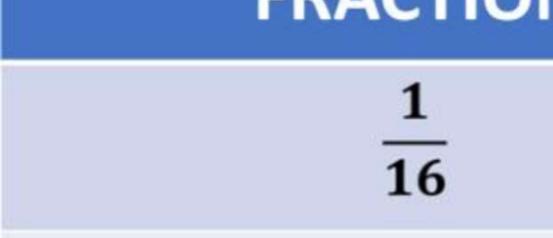
$$\frac{1}{14}$$

$$\frac{1}{1!}$$

$$7\frac{1}{7}\%$$
 $6\frac{2}{3}\%$

FRACTION

PERCENTAGE



6.25%

$$\frac{1}{17}$$

 $\frac{1}{18}$

 $\frac{1}{19}$

5%

Fraction 33,25,17,95+1 8,25,17,85+1

$$\frac{9}{8} = 1 + \frac{1}{8} = \frac{100\%}{12.5\%} = \frac{112.5\%}{12.5\%}$$

$$\frac{17}{8} = 2 + \frac{1}{8} = 200\% + 12.5\% = 212.5\%$$

$$\frac{8}{62} = 8+7 = 800\% + 15.2\% = 815.2\%$$

$$\frac{7}{8} = 1 - \frac{1}{8} = 100\% - 12.5\% = 87.5\%$$

$$\frac{15}{8} = 2 - \frac{1}{8} = 200\% - 12.5\% = 187.5\%$$

$$\frac{23}{8} = 3 - \frac{1}{8} = 300\% - 12.5\% = 287.5\%$$

$$2 \times \begin{pmatrix} 1 = 12.5\% \\ 8 = 25\% \\ 3 = 37.5\% \\ 4 = 50\% \\ 8 = 50\% \\ 8 = 50\% \\ 1 = 12.5\% \\ 2 = 25\% \\ 3 = 25\% \\ 3 = 37.5\% \\ 4 = 50\% \\ 1 = 12.5\% \\ 2 = 25\% \\ 3 = 37.5\% \\ 4 = 50\% \\ 1 = 12.5\% \\ 2 = 25\% \\ 3 = 37.5\% \\ 4 = 50\% \\ 1 = 12.5\% \\ 1 = 12.5\% \\ 2 = 25\% \\ 3 = 37.5\% \\ 4 = 50\% \\ 1 = 12.5\% \\$$

$$\begin{pmatrix}
\frac{1}{7} = 14\frac{2}{7}, \\
\frac{2}{7} = 28\frac{4}{7}, \\
\frac{3}{7} = 42\frac{6}{7}, \\
4 = 56\frac{8}{7}, = 56+\frac{8}{7} = 56+1+\frac{1}{7} = 57\frac{7}{7},$$

$$73\frac{15}{13} = 74\frac{2}{13}$$

FRACTION	PERCENTAGE	FRACTION	PERCENTAGE
1 1	100%	111	911%
1/2	50%	1 12	81/3%
1 3	333%	1/13	7913%
1 4	25%	1 14	71/2%
1 5	20%	1 15	63%
1 6	163%	1 16	64%
1 7	147%	1 17	5 ¹⁵ %
1 8	121%	1 18	55%
1 9	11%	1 19	5 ⁰⁵ %
1 10	10%	1 20	5%

$$83.33\% = 50\% + 33.33\%$$

$$111.7 = (100.7 + 10.7 + 1.7)$$

find 111% of 500
$$\rightarrow$$
 Exams

(100%+10%+1%) of 500

= 500 + 50 + 5 = 555

O. Find 111% of 468

100% +10% +1%) of 468

= 468
46.8
46.8

Questions based on increase / decrease in number.

10% 06468

- 46.8

4681.06 10

= 46.8

$$0.7.0fb = b.7.0fa$$
 $800.7.0f87.5$
 $87.5.7.0f800$
 $1.2.800 = 700$

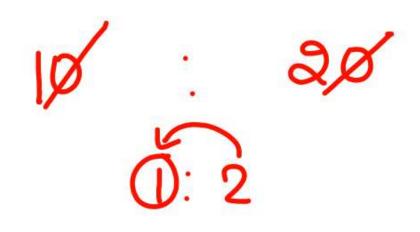
S01/+14.281/

♦ 64.28% of 259 =
$$(\frac{1}{2} + \frac{1}{3}) \times 259 = 129.5 + 37$$

= 166.5

218.5% of 496



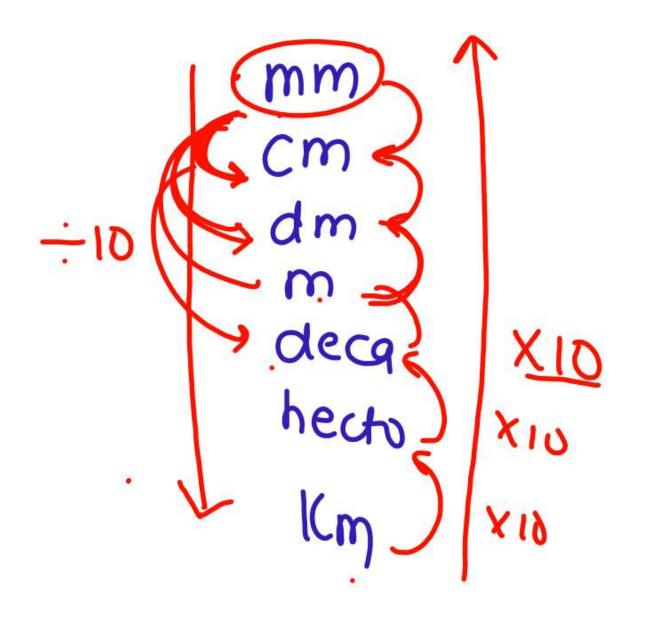




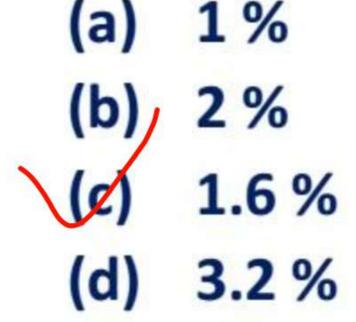
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2/3 is what percent of 1/3?
1/3 का कितना प्रतिशत 2/3 है?
```

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a) 10 %
b) 20 %
c) 50 %
d) 200 %
```

Metric System



80 meter is what percent of 5 km ? 80 मीटर, 5 किमी का कितना प्रतिशत है?



8% of 5 litre is:

5 लीटर का 8% है :

SSC CPO 15 March 2019 (Morning)

(a) 0.4 ml (b) 400 ml

(c) 40 ml (d) 4 ml



2.4 converted to percentage is:

2.4 को प्रतिशत में बदलने पर क्या आएगा?

SSC CPO 16 March 2019 (Afternoon)

(a) 0.24%

(b) 24%

(c) 240%

(d) 2.4%

$$\frac{3}{100} = 0.03$$

$$\frac{53}{1000} = 0.053$$

$$\frac{63.5}{10} = 6.35$$

$$0.9\% = 0.909$$

What is the difference between 0.9 and 0.9%?

0.9 और 0.9% के बीच क्या अंतर है?

SSC MTS 13 August 2019 (Evening)

COMPLETE MATHS COURSE (For all govt. exams)

BY ADITYA RANJAN SIR

$$26/.\times26/.$$
 $a = b \times 20/.$ $4/.069$

If 20% of a = b, then b% of 20 is equal to:

यदि a का 20% = b है, तो b का 20% किसके बराबर होगा?

SSC CPO 16 March 2019 (EVening)

(a) 4% of a

(b) 16% of a

(c) 8% of a

(d) 2% of a

$$\frac{1}{2} \times 49\% \text{ of } X = Y \times 50\%$$

$$\frac{1}{2} \times 49\% \text{ of } X = Y \times 50\%$$

(a) 24.5% of X (b) 24.5% of Y (c) 40% of Y (d) 50% of X

$$\frac{2}{3} = \frac{1}{3}$$

$$\frac{2}{3} = \frac{1}{2}$$

$$\frac{2}{3} = \frac{1}{2}$$

If x% of y is 150 and y% of z is 300, then then the relation between x and z is:

यदि y का x%150 है और z का y% 300 है, तो x और z में क्या संबंध है?

SSC CHSL 5 July 2019 (Evening)

(a)
$$z = x$$

(b)
$$z = \frac{1}{3}$$

(c)
$$z = \frac{x}{2}$$

$$\langle (d)/z = 2x$$

COMPLETE MATHS COURSE (For all govt. exams)

BY ADITYA RANJAN SIR

$$77.37.06260 + 31.77.06320$$

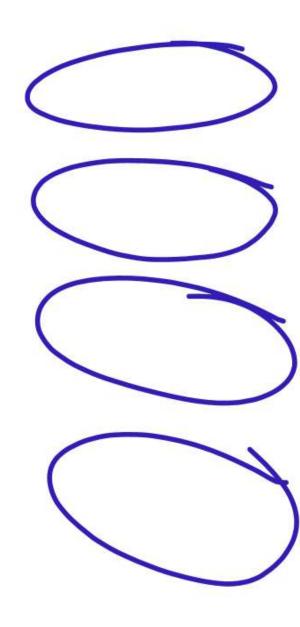
 $8x8 + 2xs$
 $1 + 1 = (2)$

$$\frac{3 \times 8}{75\%}$$
 of 260 + 30% of 320 = ?

SSC MTS 14 August 2019 (Evening)

10% of 450 + 11% of 468 + 23% of 529



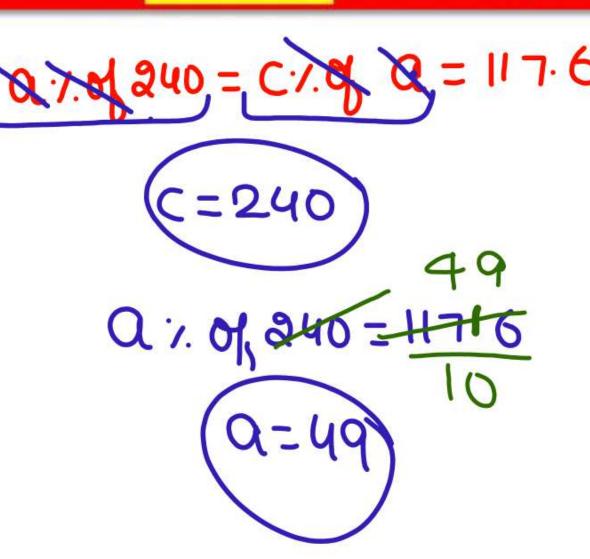


$$11.57\% \text{ of } 46.8 + 0.93\% \text{ of } 511.37$$

$$5 \times 9 + 3 \times 8$$

$$9 + 6$$

$$= 6 \times$$



If a% of 240 is c% of a is 117.6, then the value of a + c is:

यदि 240 का a%, α का c% है, तो a+c का मान है:

SSC CHSL 18/03/2020 (Morning)

(a) 289 (b) 144 (c) 260 (d) 196

20+<u>x</u>=72

What is to be added to 15% of 180 so that the sum is equal to 20% of 360?

180 के 15% में क्या जोड़ा जाना चाहिए ताकि योग 360 के 20% के बराबर हो?

SSC CGL 2019 Tier-II (18/11/2020)

28×108 1 08 x = 265×30×09 1×4

28×108 1 08 x = 265×30×09 1×4

28×108 20 x

 $\frac{x}{Y} = \frac{3}{2}$

-7×100%

If 25% of half of x is equal to 2.5 times the value of 30% of one-fourth of y, then x is what percent more or less than y?

यदि x के आधे का 25%, y के एक-चौथाई के 30% मान के 2.5 गुना के बराबर है, तो x, y से कितना प्रतिशत अधिक या कम है?

CGL Tier-II (13 September 2019)

- (a) $33\frac{1}{3}\%$ more (b) 50% more
- (c) $33\frac{1}{3}\%$ less (d) 50% less

FRACTION	PERCENTAGE	FRACTION	PERCENTAGE
1 1	100%	1 11	911%
1/2	50%	1 12	813%
1 3	333%	1/13	793%
1 4	25%	1 14	71/%
1 5	20%	1 15	63%
1 6	163%	1 16	64%
1 7	147%	1/17	5 ¹⁵ %
1 8	121%	1 18	55%
1 9	119%	1 19	505%
1 10	10%	1 20	5%
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