Percentage



Placement for All., All for Placement

This Video Completely covers "Problems on Percentage" which is more than sufficient for all kind of placement Exams eg: TCS/WIPRO/AMCAT/ELITMUS/CoCubes and all other placement Exams.

Percentage by: Pratik Shrivastava(10 years of industry experience and best Aptitude trainer)

Percentage

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

√1/2=50% √

1/3 = 33.33%

1/4 = 25%

1/5 = 20%

1/6 = 16.67%

1/7 = 14.28%

1/8 = 12.5%

1/9 = 11.11%

% is not equal to 100.

suppose total money=100

$$\frac{1}{6}$$
 * 1212 = 202

Percentage

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

100% of 1= 1% of 100

100x1 - 1x16

√% is not equal to 100. 🗶

suppose total money=100

50% = 100 * 50*100 = 500000 ©

-> X% of Y = Y% of X

Q1. 16.67% of 1212?

16.67.104 1212

1 50%

1×10050 2×100 3 50×100

20.1

DelinShirh/ALL Placement for All - All for Placement

- 3. 11.11% of 990099? $\frac{1}{4} \times 990099$

<u>Percentage</u>

Percentage

Q6. 55.5% of 420?
$$\sqrt{20:|00|}$$

$$210:|50|$$

$$21:|51|$$

$$21:|51|$$

$$21:|51|$$

$$21:|51|$$

Q7. 56% of 1240?
$$694.4\sqrt{561}$$

$$1240 = 1001$$

$$620 = 501/10$$

$$12.40 = 1007$$

$$62 = 51$$

$$12.4 = 100$$

$$100$$

Q8. 64.28% of 343?

Percentage

Q8. 64.28% of 343?
$$\begin{array}{r}
6 & 4 \cdot 28 & 7 & 0f & 343 \\
\hline
 & 5 & 0f + 14 \cdot 28 & 7
\end{array}$$

$$\begin{array}{r}
3 & 43 & = 100 & 7 \\
17 & 1 \cdot 5 & = 50 & 7
\end{array}$$

$$\begin{array}{r}
49 & = 14 \cdot 28 \cdot 7
\end{array}$$

$$\begin{array}{r}
1 & 28 \cdot 7
\end{array}$$

Percentage

Q9. 30% of a number is 150. what is that number ?

$$30 \% \text{ of } x = 150$$

$$30 \times 2 = 150$$

$$100$$

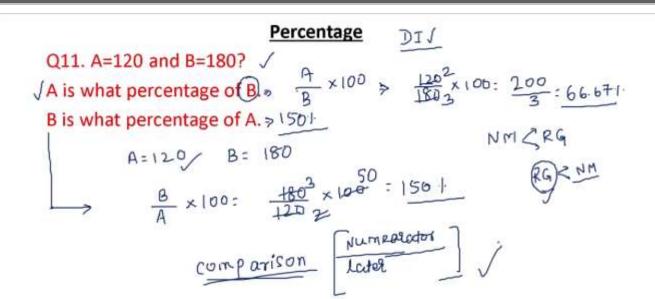
$$2 : 1500 \times 100$$

$$30 \times 2 = 500$$

$$100 \times 100 = 5 \times 100 = 500$$

$$12.56 = \frac{1}{8}$$

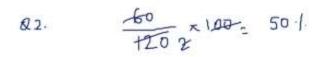
Q10. 12.5% of a number is 88. what is the number?

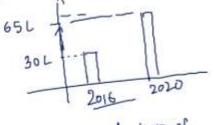


Q12. A=120 and B=180?

- A is how much percentage less than B. 33 33 1
- ② B is how much percentage more ther (A.) 50 1

Q1.
$$A=120$$
, $B=180$
 $5 - 180 = 180$
 $5 - 180 = 180 = 180$
 $5 - 180 = 180 = 180 = 180$





2020 the production of Company how much , more

amportant Percentage

Ex. A=120 and B is 50% more than A.

Ex. A = 140 and B is 30% more then A.

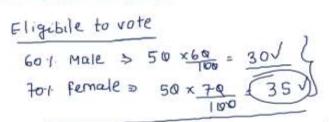
Ex. A= 180 and B is 20% less than A.

(2)
$$A=140$$
, $B=140 \times (100+30) = 140 \times 130 = 182$



Q13) In a country, 60% of the male citizen and 70% of the female citizen are eligible to vote. 70% of the male citizens eligible to vote voted, and 60% of female citizens eligible to vote voted. What fraction of the citizens voted during the election?

A. 0.49 B. 0.42 C. 0.48 D. 0.54



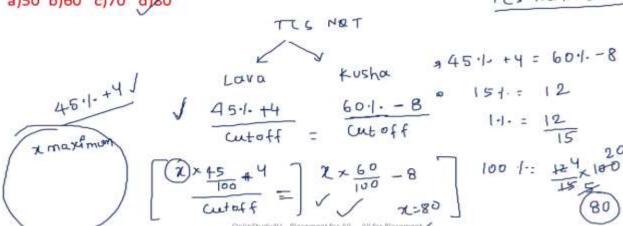
nale 30 eligible male
$$\times \frac{70}{100} = 21 \sqrt{\frac{100}{100}} = 21 \sqrt{\frac{42}{100}} > 0.42$$

Percentage

Q14) Twin brothers, Lava and Kusha, wrote the TCS NQT test. While Lava scored 45% and got 4 marks below the cut-off, Kusha scored 60% and got 8 marks above cut-off and got selected for interview. What was the maximum marks in the test?

a)50 b)60 c)70 d)80

TCS NOT -2020



<u>Percentage</u>

Q15) Shilpa spent 8% on school fees, 25% on rent and 17% on furniture 25% of the remaining amount was spent on medical bills and the remaining rs. 6000 was set aside for investment. How much money did she spend on rent?

a.3750 b.6000 c.4000 d.3250

Shilpa will be 1001-501. = 501.



Q16 If the numerator of a fraction is increased by 200% and the denominator of the fraction is increased by 150%, the resultant fraction is 9/35. What is the original fraction?

A) 3/10 B) 2/15 C) 3/16 D) 3/14

Numerator =
$$\chi$$
 $\chi \times (100 + 200) = \chi \times \frac{300}{100} \Rightarrow 3\chi$
deno = χ $\chi \times (100 + 150) = \frac{100}{100} \Rightarrow 3\chi$
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Percentage

Q17. Twenty five percent of Pranab's annual salary is equal to eighty percent of Surya's annual salaiy. Surya's monthly salary is fourty percent of Dheeru's monthly salary. If Dheeru's annual salary is Rs.6 lacs, what is Pranab's monthly salary? (At some places annual income and at some place monthly income are given)

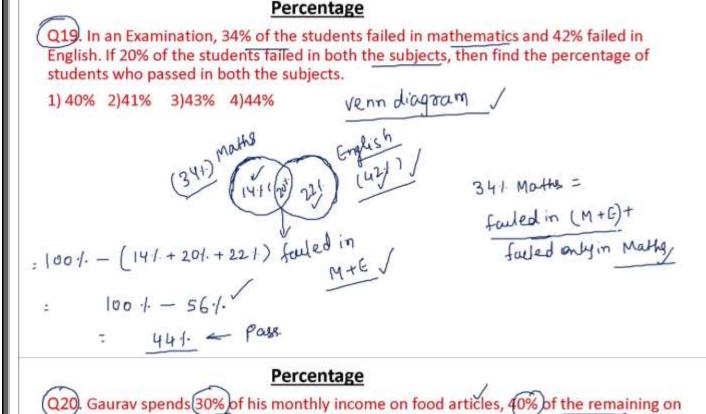
A) Rs.7.68 lacs

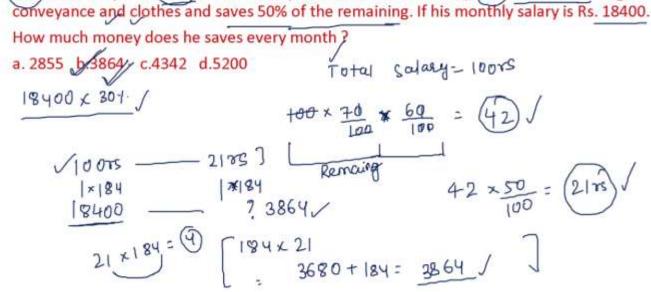
B) Rs.56,000 C) Rs.8.4 lacs D) Ks.64,000

Solve Surya monthly:
$$40!$$
 of $\frac{600000}{12}$ $\frac{12}{12}$ $\frac{40}{12} \times \frac{5600000}{12} \times \frac{20,000}{12}$ $\frac{40}{12} \times \frac{5600000}{12} \times \frac{20,000}{12}$ $\frac{40}{12} \times \frac{5600000}{12} \times \frac{20,000}{12}$ $\frac{25!}{160}$ of Pranab: $\frac{80}{100} \times \frac{240000}{18000} \times \frac{16 \times 48000}{16 \times 48000}$ $\frac{25}{100} \times \frac{16}{100} \times \frac{16}{100}$

Percentage

Q18. In a test, minimum passing percentage for girls and boys is 30% and 45% respectively. A boy Scored (280) marks and failed by 80 marks. How many more marks did a girl require to pass in the test if she scored 108 marks?





Q21. Two Students Appeared at an Examination. One of them secured 9 marks more than other and his marks was 56% of the sum of their marks. What are the marks obtained by them?

$$7:33$$

$$2^{154}: \times / = 33$$

$$2^{14} = (x+9) \Rightarrow (x+9) = \frac{56}{100} \times (x+2+9) \Rightarrow \xi q^{n}$$

$$2^{15} = \frac{3}{3} + 9 = 42$$

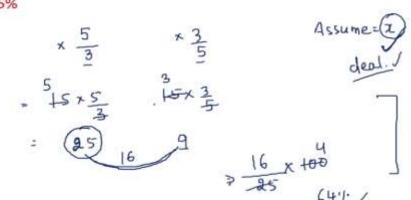
$$2^{15} = \frac{3}{100} \times (x+2+9) \Rightarrow \xi q^{n}$$

$$2^{1$$

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Q22. A students multiplied a number by 3/5 instead of 5/3 What is the percentage error in the calculation? a.60% b.62% g.84% d.65%

J Let us Ksurve=15



Percentage

Q23). In an election between two candidates, one got 55% of the total valid votes, 20% of the votes were invalid. If the total number of votes was 7500, the number of valid votes that the other candidate got, was :

Q24) if the length of a rectangle is increased by 37 ½% and its breadth is decreased by 20%.



Percentage

Q25. If 75% of a class answered the first question on a certain test correctly, 55 percent answered the second question on the test correctly, and 20 percent answered neither of the questions correctly, what percentage answered both correctly?:

201 a answered neither