



General Aptitude

Quantitative Aptitude

DPP 01 Discussion Notes
Percentages







The population of a city is increased by 30% and thus became 78000. What is the original population?

- A 76000
- B 64200
- C 60000
- D None

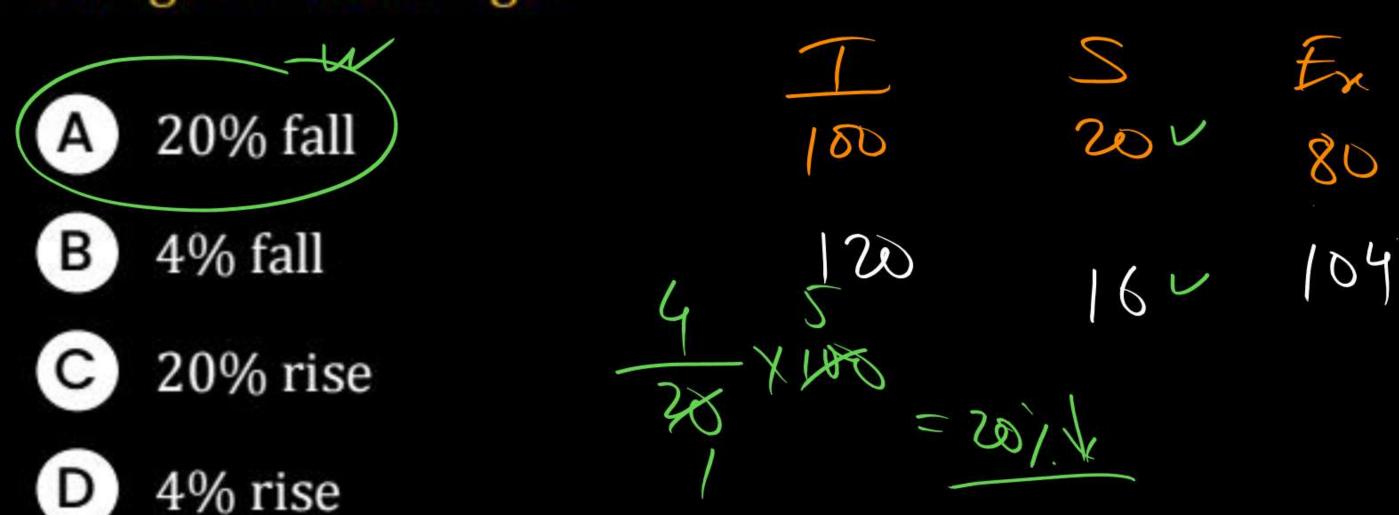
$$1.3 \times x = 78,500$$

$$x = \frac{78,500}{1.3}$$

$$= 60,000$$



A save 20% of his income. His income is increased by 20% and so he increased his expenditure by 30%. What is the percentage change in his savings?





In an election between two candidates, A and B, A secured 56% of the votes and won by 48000 votes. Find the total number of votes polled if 20% of the votes were declared invalid.

- A 500000
 - B 400000
 - C 600000
 - D None





A reduction of 10% in price of sugar enables a housewife to buy 5 kg more for Rs. 300/-. Find the reduced price per kg of sugar.

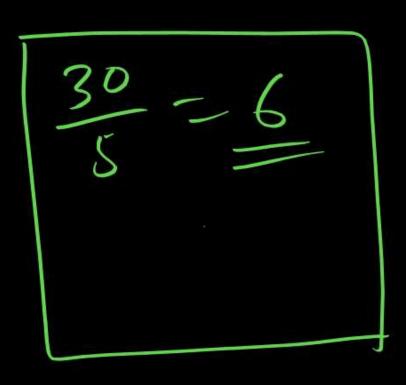
A 5/-

B
$$4.5/-$$

C $6/-$

D None

 $0.9 \times \frac{360}{x} = \frac{360}{245}$
 $0.9 \times \frac{360}{x} = \frac{360}{x+5}$
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In a list of weights of candidates appearing for police selections, the weight of A is marked as 58 kg instead of 46.4 kg. Find the percentage of correction required.

- A 30
 B 20
- **C** 24
- D None

$$=\frac{11.60}{81}$$



In an examination, a student secures 40% and fails by 10 marks. If he scored 50%, he would pass by 15 marks. Find the minimum marks required to pass the exam.

- A 250
- B 100
- C 110
 - D 125

125-12

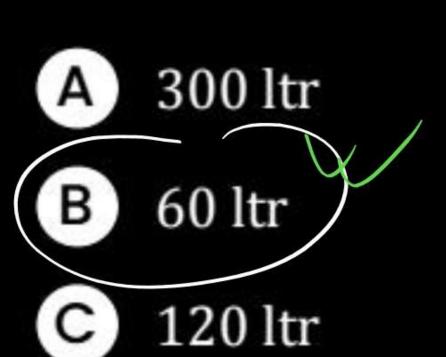
25 meds

10% of Tokl Mark = 25

Tok! Mond = 350



If 240 ltr of oil is poured into a tank, it is still 20% empty. How much more oil is to be poured to fill the tank?







A and B were hired for the same salary. A got two 40% hikes whereas B got a 90% hike. What is the percentage difference in the hikes they got?





The population of a town increases at a rate of 10% for every year. If the present population is 12100, find the population two years ago.

- A 11000
- B 9800
- C 10000
- D 10120

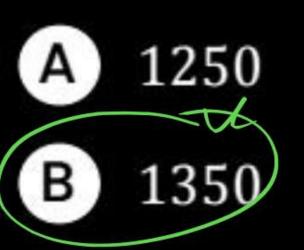
$$|-| \times |-| \times X = |5|00$$

$$|-| \times |-| \times X = |5|00$$

$$|-| \times |-| \times |-|$$



In an election 10 % of the votes were invalid. 40% of the votes were for A and the rest to B. B won with a majority of 243 votes, the total number of votes polled is



- C 1215
- D 1336

