

# Crash Course 2025

## Aptitude

### Averages & Percentages

- Q1** 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
- Q2** 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?  
(A) 20% fall (B) 4% fall  
(C) 20% rise (D) 4% rise
- Q3** 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
- Q4** 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
- Q5** 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
- Q6** 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
- Q7** 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) 300 ltr (B) 60 ltr  
(C) 120 ltr (D) None
- Q8** 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?  
(A) 16% (B) 6%  
(C) 10% (D) 8%
- Q9** 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
- Q10** 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.  
(A) 1250 (B) 1350  
(C) 1215 (D) 1336



## Answer Key

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**Q1** (C)

**Q2** (A)

**Q3** (A)

**Q4** (C)

**Q5** (D)

**Q6** (C)

**Q7** (B)

**Q8** (B)

**Q9** (C)

**Q10** (B)



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## Hints & Solutions

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**Q1 Text Solution:**

(C)

**Q2 Text Solution:**

(A)

**Q3 Text Solution:**

(A)

**Q4 Text Solution:**

(C)

**Q5 Text Solution:**

(D)

**Q6 Text Solution:**

(C)

**Q7 Text Solution:**

(B)

**Q8 Text Solution:**

(B)

**Q9 Text Solution:**

(C)

**Q10 Text Solution:**

(B)



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