



IBPS CLERK PRELIMS 2026 - 30 DAYS REVISION PLAN

CLASS 3 - PERCENTAGE

Q1. In an exam, Rahul scored 440 marks and David scored 68% marks. If Rahul scored 20% more than that of David, then find the maximum marks in the exam?

- A) 800
- ☒ B) 500
- C) 600
- D) 700
- E) None of these

$$R = 440$$

$$D = 68\%$$

$$R = 68\% + 20\% = 88\%$$

$$88\% \text{ of } M = 440$$

$$\frac{88}{100} \times M = 440$$

$$M = 500$$



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Q2. In a town, the population is increased by 25% in the first year, increased by 10% in the second year and decreased by 20% in the third year. If three years hence, the total population of a town is 4400, then find the population of the town initially?

A) 2400

B) 3600

✓ C) 4000

D) 3200

E) None of these

$$\begin{array}{c} x \xrightarrow{25\%} \xrightarrow{10\%} \xrightarrow{20\%} 4400 \\ \uparrow \quad \quad \uparrow \quad \quad \downarrow \\ x \times \frac{125}{100} \times \frac{110}{100} \times \frac{80}{100} = 4400 \\ \quad \quad \quad 25 \quad \quad 20 \end{array}$$

$$x = 2 \times 20 \times 100$$

$$x = 4000$$



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Q3. Priya spends 25% of his monthly salary on food, 50% of the remaining salary on rent and the remaining in savings. If the difference between the monthly salary spends on food and saving is Rs.1800, then find the monthly salary of Priya?

A) Rs.12000

✓ B) Rs.14400

C) Rs.10000

D) Rs.15000

E) None of these

$$\text{Salary} = x$$
$$25\% = \frac{1}{4}x \rightarrow \text{Remaining} = \frac{3}{4}x$$

(Food)

$$\frac{3}{8}x - \frac{1}{4}x = 1800$$

$$\frac{3x - 2x}{8} = 1800$$

$$x = 1800 \times 8$$

$$x = 14400$$

Remaining

$$\frac{3}{4}x - \frac{3}{8}x$$

$$= \frac{3}{8}x \text{ (Saving)}$$

$$\downarrow 50\%$$
$$\frac{1}{2} \times \frac{3}{4}x = \frac{3}{8}x$$

(Rent)



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Q4. Out of the total number of people in a town, 20% of the people who did not cast their votes and a candidate got 56% of the vote and won the election by 480 votes. Find the total number of people in the town.

A) 5000

B) 4500

C) 6000

D) 7500

E) None of these

cast - 100%

Win - 56%

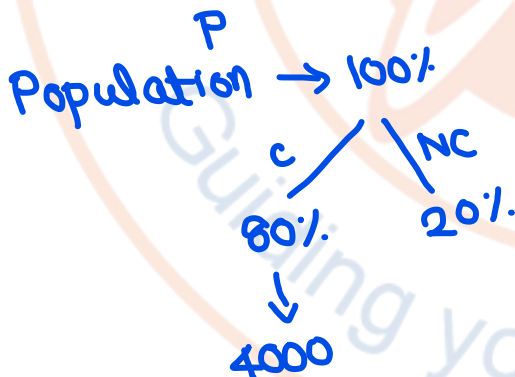
Lose - 44%

- 12%

12% of cast vote = 480

$$\frac{12}{100} \times C = 480$$

$$C = 4000$$



80% of $P = 4000$

$$\frac{80}{100} \times P = 4000$$

$$P = 5000$$

$$\begin{array}{r} 100 \\ - 56 \\ \hline 44 \end{array}$$



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Q5. Ram scored 120 marks in an exam and failed by 5% and pass percentage of the exam is 35%. Find the maximum marks of the exam.

A) 450

✓ B) 400

C) 360

D) 280

E) None of these

$$P\% = 35\%$$

$$- 5\%$$

$$\underline{\underline{30\%}}$$

$$30\% \text{ of } M = 120$$

$$\frac{30}{100} \times M = 120$$

$$\boxed{M = 400}$$



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Q6. In an examination, ^A student got 30% marks and failed by 13 marks and ^B another student got 44% marks and gets 15 marks more than the passing marks.

Find the maximum mark in the certain examination?

☒ A) 200

B) 225

C) 250

D) 175

E) None of these

Pass Mark (A) = Pass Mark (B)

$$30\% \text{ of } M + 13 = 44\% \text{ of } M - 15$$

$$13 + 15 = 44\% \text{ of } M - 30\% \text{ of } M$$

$$28 = 14\% \text{ of } M$$

$$\frac{28}{14} = \frac{14}{100} \times M$$

$$\boxed{200 = M}$$

Pass Mark:

$$30\% \text{ of } M + 13$$

$$60 + 13$$

$$73$$



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Invalid - 5%

Q7. In an election, 5% of the total votes are declared as invalid and a candidate got 60% of the valid votes. If the total votes are 5400, find the number of valid votes got by that candidate?

A) 3051

B) 3064

✓ C) 3078

D) 3089

E) None of these

$$100\% \rightarrow 5400$$

$$5\% \rightarrow$$

$$\underline{95\%}$$

$$\begin{array}{r} 5400 \\ - 270 \\ \hline 5130 \end{array} \rightarrow \text{Invalid} \rightarrow \text{valid}$$

$$5400$$

$$10\% - 540$$

$$1\% - 54$$

$$\Rightarrow \frac{60}{100} \times 5130 = 3078$$



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Q8. Soni spends 20% of his salary to house rent, 30% of the salary to education fees and 80% of the remaining salary to shopping. If she now left with her is Rs.800, then what is Soni's salary?

- A) Rs.12000
- B) Rs.10000
- ☒ C) Rs.8000
- D) Rs.6000
- E) None of these

Let Salary = 1000

50% of S = 500 (←) 20% - Rent
Rem → 500 30% - Fees
50%

$$\text{Shopping} = \frac{80}{100} \times 500$$
$$= 400$$

$$\text{Rem} = 500 - 400 = \boxed{100}$$

$$100U = 100$$

$$\boxed{U = 8}$$

$$1000U = 1000 \times 8$$
$$= 8000$$



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Q9. The population of a city increases by 15% per year. If the present population is 12 lakhs, then what will be the population after three years?

A) 1658020

☒ B) 1825050

C) 1742680

D) 1978040

E) None of these

Method-1

$$12,00,000 \xrightarrow{15\%} \xrightarrow{15\%} \xrightarrow{15\%} x$$

$$12,00,000 \times \frac{115}{100} \times \frac{115}{100} \times \frac{115}{100} = x$$

Method-2

$$\begin{array}{r} 10\% = 1,20,000 \\ 5\% = 60,000 \\ \hline 1,80,000 \end{array}$$

$$\begin{array}{r} 10\% = 1,38,000 \\ 5\% = 69,000 \\ \hline 2,07,000 \end{array}$$

$$\begin{array}{r} 10\% = 1,58,700 \\ 5\% = 79,350 \\ \hline 2,38,050 \end{array}$$

$$\begin{array}{r} 12,00,000 \\ 15\% - \quad 1,80,000 \\ \hline 13,80,000 \\ 15\% - \quad 2,07,000 \\ \hline 15,87,000 \\ 15\% - \quad 2,38,050 \\ \hline 18,25,050 \end{array}$$



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Q10. Rahul scored 225 marks in an exam and Ragu got 48% of the marks in the same exam which is 9 marks less than Rahul. If the minimum pass marks in the exam is 40%, then how much more marks did Rahul score than the minimum passing marks?

- ☒ A) 45
- ☐ B) 30
- ☐ C) 48
- ☐ D) 36
- ☐ E) None of these

$$\text{Rahul} = 225$$

$$\text{Ragu} = \frac{48}{100} \times M$$

↘ 216

$$48\% \text{ of } M = 216$$

$$\frac{48}{100} \times M = 216$$

50

$$M = 450$$

$$\text{(Minimum) } 40\% \text{ of } M = \frac{40}{100} \times 450$$

= 180

$$\begin{array}{r} \text{More} = 225 \\ - 180 \\ \hline 45 \end{array}$$



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Q11. Malar gives 30% of her salary to her mother, 40% of the remaining salary is invested by her in two different schemes A and B which is in the ratio of 3:2 and she keeps the remaining salary in her bank account. If the difference between the amount she gives to her mother and the amount she invests in scheme A is Rs.

5280. Find the salary of Malar?

A) Rs. 30000

B) Rs. 50000

✓ C) Rs. 40000

D) Rs. 45000

E) None of these

Handwritten solution:

$$\begin{aligned} \text{Salary} &= 1000 \\ \text{Mother} &= 300 \\ \hline &700 \\ \downarrow 40\% \\ &280 \end{aligned}$$

Ratio of A and B is 3:2

$$\begin{aligned} A &= 168 \\ B &= 112 \end{aligned}$$

Rem = 700

$$\begin{aligned} &700 \\ &- 280 \\ \hline &420 \end{aligned}$$

Bank ← 420

5x = 280
x = 56

Mother = 300

$$\begin{aligned} A &= 168 \\ (-) &132 \\ \hline &36 \end{aligned}$$

132x4 = 5280

$$\begin{aligned} &5280 \\ &40 \\ \hline &5200 \\ &132 \\ \hline &5332 \end{aligned}$$

U = 40

$$\begin{aligned} \text{Salary} &= 1000 \times U \\ &= 1000 \times 40 \\ &= 40000 \end{aligned}$$



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✓✓✓
Q12. A, B and C went for dinner to a restaurant. Meal cost of A is 40% more than that of B, while the cost of the meal of A was 2/3 of the meal cost of C. If B paid Rs. 200 for his meal, then find the average meal cost of all three persons?

A) 340

B) 420

C) 280

✓ D) 300

E) None of these

$$\frac{A}{B} = \frac{140}{100}$$

$$A = \frac{2}{3} \text{ of } C$$
$$\frac{140}{100} = \frac{2}{3} \times C$$

$$\boxed{210 = C}$$

$$100U = 200$$

$$\boxed{U = 2}$$

$$A = 140U = 280$$

$$B = 100U = 200$$

$$C = 210U = 420$$
$$\underline{\underline{900}}$$

$$\text{Avg} = \frac{900}{3} = 300$$



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Q13. In an election, candidate A got 40% of the total valid votes. If 55% of the total votes were declared as invalid and the total numbers of votes is 280000, find the number of valid vote polled in favour of candidate A.

A) 32500

B) 56000

C) 35700

☒ D) 50400

E) 29800

$$100\% = 2,80,000$$



$$2,80,000$$

$$45\% \rightarrow 1,26,000$$



$$(A) 40\% = 50,400$$

$$10\% = 12,600$$

$$40\% = 50,400$$

$$\begin{array}{r} 10\% = 28000 \\ 40\% = 112000 \\ 5\% = 14000 \\ \hline 126000 \end{array}$$

Method-2
Traditional
 $A = 40\% \text{ of } 45\% \text{ of } 2,80,000$



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Q14. The total number of students in the school is 600 and the number of girls in the school is x%. If the difference between the number of girls and boys is 120.

The number of girls is more than that of boys, then find the value x?

A) 50

B) 45

C) 55

☒ D) 60

E) None of these

600 $\begin{cases} \text{G} \rightarrow x\% \text{ of } 600 = \frac{x}{100} \times 600 = 6x \\ \text{B} \rightarrow 600 - 6x \end{cases}$

$$\text{Diff} = 120$$

$$6x - (600 - 6x) = 120$$

$$6x - 600 + 6x = 120$$

$$12x = 720$$

$$\boxed{x = 60}$$



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Q15. Population of a village in the year 2018 was 154000. In 2019 it became 196000, what was the percent rise in population from 2018 to 2019?

- A) 16 (2/3)%
- ☒ B) 27 (3/11)%
- C) 23 (7/11)%
- D) 21 (5/11)%
- E) 15 (1/3)%

Handwritten solution for Q15:

Diagram showing population change from 2018 to 2019:

2018 (154000) → 2019 (196000)

Percentage increase calculation:

$$\% \text{ rise} = \frac{196000 - 154000}{154000} \times 100$$
$$= \frac{42000}{154000} \times 100$$
$$= \frac{42}{154} \times 100$$
$$= \frac{27}{11} \times 100$$
$$= 27 \frac{3}{11} \%$$

Alternative calculation shown on the left:

$$\frac{196000}{154000} = \frac{42000}{154000} = \frac{42}{154} = \frac{27}{11}$$

Final result: $27 \frac{3}{11} \%$

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PRACTICE QUESTIONS

Q16. John gets 4 marks for each correct question and loses 3 marks for each wrong answer. He attempts 40 sums and obtains 20 marks. Find the number of questions he answered correctly.

- A) 20
- B) 30
- C) 10
- D) 15
- E) None of these

Q17. Price of a doll is decreased by 5% in 2018 from 2017. In 2019, it is increased by 10% from 2018 and in 2020 it is further decreased by 16% from 2019, then the price of the doll in 2020 is how much percentage less/more than the price of the doll in 2017?

- A) 12.22% less
- B) 12.22% more
- C) 18.23% less
- D) 18.23% more
- E) None of these

Q18. Income of Virat is 40% more than that of Ashwin and saving of Ashwin is 60% more than that of Virat. Find the expenditure of Virat, if the expenditure of Ashwin is Rs. 9440 less than that of Virat and savings of Ashwin is Rs. 6400?

- A) Rs. 20640

- B) Rs. 20540
- C) Rs. 20840
- D) Rs. 20440
- E) None of these

Q19. The total income of Saara and Vinay is Rs. 55000. If the income of Saara and Vinay is increased by 15% and 12% respectively, then the total income of both of them is increased by Rs. 7200. Find the income of Saara?

- A) Rs. 20000
- B) Rs. 25000
- C) Rs. 28000
- D) Rs. 23000
- E) None of these

Q20. A fruit seller had some oranges and apples. He sold 20% oranges to A, 40% of remaining to B and had 48 oranges left. Similarly, he sold 40% apples to A, 100 apples to B and had 10% apples left. Find the total number of apples and oranges that the shopkeeper had initially.

- A) 200
- B) 250
- C) 300
- D) 350
- E) 400