



SBI PO Percentage Questions PDF

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Instructions

For the following questions answer them individually

Question 1

Akash scored 73 marks in subject A. He scored 56% marks in subject B and X marks in subject C. Maximum marks in each subject were 150. The overall percentage marks obtained by Akash in the three subjects together were 54%. How many marks did he scored in subject C

- A 84
- B 86
- C 79
- D 73
- E None of these

Answer: B

Explanation:

Percentage of marks obtained in A = $\frac{73}{150} \times 100 = 48.66$

Overall percentage = 54%

$$\frac{A+B+C}{3} = 54\%$$

$$\frac{48.66+56+C}{3} = 54\%$$

$$C = 57.34\%$$

$$\text{Marks} = 57.34\% \text{ of } 150 = 86$$

Question 2

In an examination, 30% of total students failed in Hindi, 45% failed in English and 20% failed in both subjects. Find the percentage of those who passed in both the subjects.

- A 35.7 %
- B 35%
- C 40%
- D 45%
- E 44%

Answer: D

Explanation:

45% of the total students failed in Hindi

30% failed in English

20% failed in both

Therefore 55% of the total students failed in atleast one subject.

Hence 45% have passed in both

Question 3

A student multiplied a number by $\frac{3}{5}$ instead of $\frac{5}{3}$. What is the percentage error in the calculation?

- A 36%
- B 64%
- C 55%

- D 35%
- E None of these

Answer: B

Explanation:

Let the number be x.

Then, Error = $5/3 x - 3/5 x = 16/15 x$

Error % = $(16x/15 * 3/5x * 100)\% = 64\%$

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Question 4

The price per kg of sugar decreases by 20%. By what percentage should the consumption be increased such that expenditure remain the same?

- A 18%
- B 30%
- C 20%
- D 25%
- E None of these

Answer: D

Explanation:

Increase % = $\{r/(100-r) \times 100\}\% = \{20/(100-20) \times 100\}\% = \{20/80 \times 100\}\% = 25\%$

Question 5

Ram got his result of 10th standard. Marks are obtained out of 150. Ram got 120 marks in Hindi, 130 marks in English, 140 marks in Science, 120 marks in Sanskrit and 100 marks in Social Science. What is the percentage of the marks he got in all 5 subjects?

- A 81.3
- B 80.4
- C 80.5
- D 81.5
- E 85.5

Answer: A

Explanation:

Percentage marks will be = $(610/750) * 100 = 81.3$

Question 6

A exceeds B by 60% and C exceeds B by 40% then by what percentage A exceeds by C?

- A 11.11%
- B 14.28%
- C 13.33%

- D 24.9%
E 12.5%
- Answer:** B

Explanation:

Suppose B = 100

So A will be 160

And C will be 140

Hence, A exceeds C by 20 or $\frac{20}{140} \times 100 = 14.28\%$

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Question 7

A exceeds B by 60% and C exceeds B by 40% then by what percentage A exceeds by C?

- A 11.11%
B 14.28%
C 13.33%
D 24.9%
E 12.5%

Answer: B

Explanation:

Suppose B = 100

So A will be 160

And C will be 140

Hence, A exceeds C by 20 or $\frac{20}{140} \times 100 = 14.28\%$

Question 8

If the difference between the 25% and 15% of a number is 77, then what will be 14.28% of the same number?

- A 101
B 102
C 105
D 110
E None of these

Answer: D

Explanation:

As the difference between the percentages of a number will be 10% of the number that is 77 hence number will be 770

And 14.28% will be $\frac{1}{7}$ of 770 which will be 110

So, answer will be = 110

Question 9

Ms. Sujata invests 7% i.e. Rs. 2170/- of her monthly salary in mutual funds. Later she invests 18% of her monthly salary in recurring deposits also, she invests 6% of her salary on NSC's. What is the total annual amount invested by Ms. Sujata ?

- A Rs. 1, 25, 320/-
- B Rs. 1, 13, 520/-
- C Rs. 1, 35, 120/-
- D Rs. 1, 15, 320/-
- E None of these

Answer: D

Explanation:

The total percentage of her salary that Sujata invested is $7\% + 18\% + 6\% = 31\%$

7% of her salary is Rs. 2170.

So, 31% of her salary is $2170/7 * 31 = 9610$

So, Sujata invests Rs. 9610 every month i.e $9610*12 = 115320$

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Question 10

Find the percentage profit on an article if the shopkeeper marks it up by 40% and sells it at a discount of 10% ?

- A 23%
- B 24%
- C 26%
- D 28%
- E None of these

Answer: C

Explanation:

Let CP = 100

MP = $100 + 40\%$ of 100 = $100 + 40 = 140$

Discount = 10%

SP = 90% of 140 = 126

Profit % = $(126-100)/100 = 0.26 = 26\%$

Question 11

A father bought chocolates for his four kids. He gave 20% of the chocolates to first kid, 38% to the second kid and 14% of the chocolates to the third kid. He then gave three-fourths of the remaining chocolates to the last kid. If the last kid got 105 chocolates, find the number of chocolates that the father bought.

- A 400
- B 500
- C 550
- D 450
- E None of the above

Answer: B

Explanation:

Let the number of chocolates be N.

After giving 20%, 38% and 14% to the first three kids, the percentage of chocolates remaining with the father is 28%.

$\frac{3}{4}$ of 28% = 21%

So, 21% of N = 105 \Rightarrow N = 500

Question 12

A test consists of 5 sections. The maximum marks that can be scored in any section is 100. A student scores 40 marks in the first section, 54 marks in the second section, 60 marks in the third section, 30 marks in the fourth section and does not attempt any question in the fifth section. What is the approximate percentage scored by the student in the test?

- A 45%
- B 42%
- C 32%
- D 37%
- E 40%

Answer: D

Explanation:

Total marks in the test = $100 \times 5 = 500$

Total marks scored by the student in all the sections put together = $40 + 54 + 60 + 30 = 184$

So, percentage of marks scored by the student = $\frac{184}{500} \times 100 = \frac{184}{5} = 36.8\%$

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Question 13

Raj Kumar got the result of his 8th class. Each subject consists of a maximum of 140 marks. If he scores 98 marks in science; 129 marks in Sanskrit; 131 marks in Maths, 110 marks in English and 120 marks in Hindi, what was his percentage of marks in all the five subject?

- A 84%
- B 82%
- C 77%
- D 79%
- E None of these

Answer: A

Explanation:

Each subject has maximum 140 marks and total subjects available are 5 so total maximum marks are = $5 \times 140 = 700$

Now his total score = $98 + 129 + 131 + 110 + 120 = 588$

% of marks = $\frac{588 \times 100}{700}$

=84%

Question 14

Paresh got 102 marks in Hindi, 118 marks in Science, 104 marks in Sanskrit, 114 marks in Maths and 96 marks in English. The maximum marks of each subject are 120. How much overall percentage of marks did Paresh get ?

- A 89
- B 82
- C 77
- D 71
- E None of these

Answer: A

Explanation:

The total marks obtained by Paresh is $102+118+104+114+96 = 534$

The total marks that could have been obtained is $120*5 = 600$

So, the overall percentage obtained by Paresh is $534/600 * 100 = 89\%$

Question 15

In an examination it is required to get 55% of the aggregate marks to pass. A student gets 520 marks and is declared failed by 5% marks. What are the maximum aggregate marks a student can get ?

- A 960
- B 1250
- C 1040
- D Cannot be determined
- E None of these

Answer: C

Explanation:

The marks the student gets is 520.

As the student failed by 5%, percentage of marks received by the student is $55-5 = 50\%$

Hence, the maximum aggregate marks that a student could have received is $520*100/50 = 1040$

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Question 16

The scores scored by a student on 5 tests are 45, 82, 37, 57 and 90 respectively. If the highest score in each test is 90, find the percentage score of the student.

- A 62%
- B 65%
- C 69%
- D 73%
- E 75%

Answer: C

Explanation:

Total score of the student in all the 5 tests put together = $45 + 82 + 37 + 57 + 90 = 311$

Total maximum score = $90 \times 5 = 450$

Percentage score of the student = $(100/450) \times 311 = 69.11\% = 69\%$ approximately

Question 17

Nandkishore gives 35% of the money he had to his wife and gave 50% of the money he had to his sons. Remaining amount of Rs 11,250 he kept for himself. What was the total amount of money Nandkishore had ?

- A Rs 63,750
- B Rs 75,000
- C Rs 73,650
- D Rs 72,450
- E None of these

Answer: B

Explanation:

The percentage of money Nandkishore gave to his wife and sons equals $35\% + 50\% = 85\%$

So, percentage of money remaining is $100\% - 85\% = 15\%$

This equals 11,250.

Hence, the total amount Nandkishore had is $11250 \times 100/15 = \text{Rs. } 75,000$

Question 18

The wheat sold by a grocer contained 10% low-quality wheat. What quantity of good-quality wheat should be added to 150 kg of wheat so that the percentage of low-quality wheat becomes 5% ?

- A 150 kg
- B 135 kg
- C 50 kg
- D 85 kg
- E None of these

Answer: A

Explanation:

150 Kg of weight contains 10% low quality weight that is 15 Kg low quality weight.

Let the quantity of good quality wheat to be added be X.

$$\text{So, } 15 = \frac{5}{100} * (150 + X)$$

$$\text{Or, } 300 = 150 + X$$

$$\text{So } X = 150 \text{ Kg}$$

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Question 19

Mr.Davar spends 38% of his monthly income on food 25% on children's education and 12% on transport and the remaining amount of Rs 5,800 he saves.What is Mr.Davar's monthly income ?

- A Rs 23,200
- B Rs 24,200
- C Rs 23,800
- D Rs 24,400
- E None of these

Answer: A

Explanation:

The total percentage of his income that Mr. Davar spends equals $38\% + 25\% + 12\% = 75\%$
Hence, the percentage of his monthly income that Mr. Davar saves is $100 - 75 = 25\%$
This equals Rs. 5,800

Hence, Mr. Davar's monthly income equals $5800 * 100/25 = \text{Rs. } 23,200$

Question 20

A mixture contains 20% water in milk. How much water should be added to the mixture of 100ml so that the water percentage goes up to 50%?

- A 100ml
- B 20ml
- C 40ml
- D 80ml
- E 60ml

Answer: E

Explanation:

A 100ml mixture contains 20ml water. Let x ml water be added.

$$\frac{20+x}{100+x} = \frac{50}{100}$$

$$40 + 2x = 100 + x$$

$$x = 60\text{ml.}$$

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