Percentage Practice Questions for Aptitude Preparation

Q.1. A student has to obtain 33% of the total marks to pass. He got 125 marks and failed by 40 marks. The maximum marks are:

A. 500

B. 600

C. 800

D. 1000

Ans.- A Explanation:

Given that the student got 125 marks and still he failed by 40 marks

=> The minimum pass mark = 125 + 40 = 165

Given that minimum pass mark = 33% of the total mark

=> total mark =33/100 =165

=> total mark = 16500/33 = 500

Q.2. A man spends 35% of his income on food, 25% on children's education and

80% of the remaining on house rent. What percent of his income he is left with?

A. 6%

B. 8%

C. 10%

D. 12%

Ans.- B
Explanation:

Let the total income be x. Then, income left = (100 -80)% of [100 - (35 + 25)] % of x

= 20% of 40% of x = 20/100 * 40/100 * 100) % of x = 8 % of x.

Q.3. A shopkeeper bought 600 oranges and 400 bananas. He found 15% of orangesand 8% of bananas were rotten. Find the percentage of fruits in good condition.

A. 23.4%

B. 54.8%

C. 64.5%

D. 87.8%

Ans.- D Explanation:

Total number of fruits shopkeeper bought = 600 + 400 = 1000 Number of rotten oranges =

15% of 600

= 15/100 × 600

= 9000/100

= 90

Number of rotten bananas = 8% of 400

= 8/100 × 400

= 3200/100

= 32

Therefore, total number of rotten fruits = 90 + 32 = 12. Therefore Number of fruits in good condition = 1000 - 122 = 878 Therefore Percentage of fruits in good condition = (878/1000 × 100)%

= (87800/1000)%

= 87.8%

Q.4.In a certain school, 20% of students are below 8 years of age. The number of students above 8 years of age is 2/3 of the number of students of 8 years of age which is 48. What is the total number of students in the school?

A. 72

B. 80

C. 120

D. 100

Ans.- D Explanation:

Let the number of students be x.

Then, Number of students above 8 years of age = (100 - 20)% of x = 80% of x.

80% of x = 48 + 2/3 of 48

80/100x = 80

x = 100.

Q.5. If A's height is 40% less than that of B, how much percent B's height is more than that of A?

A. 66.66%

B. 76.66%

C. 96.66%

D. 86.66%

Ans.- A Explanation:

Excess of B's height over A's = [(40/(100 - 40)] x 100% = 66.66%.

Q.6. A number is decreased by 10% and then increased by 10%. The number so obtained is 10 less than the original number. What was the original number?

A. 1000

B. 2000

C. 3000

D. 4000

Ans.- A Explanation:

Let the original number be x.

Final number obtained = 110% of (90% of x) =(110/100 * 90/100 * x) = (99/100)x.

x-(99/100)x=10

=> x =1000

Q. 7 Three candidates contested an election and received 1136, 7636 and 11628

votes respectively. What percentage of the total votes did the winning candidate

got

A. 55%

B. 56%

C. 57%

D. 58%

Ans.- C Explanation:

Total number of votes polled = (1136 + 7636 + 11628) = 20400. So,
Required percentage = 11628/20400 * 100 = 57%