Banking Daily Quiz Blog - January 20

ENTRI

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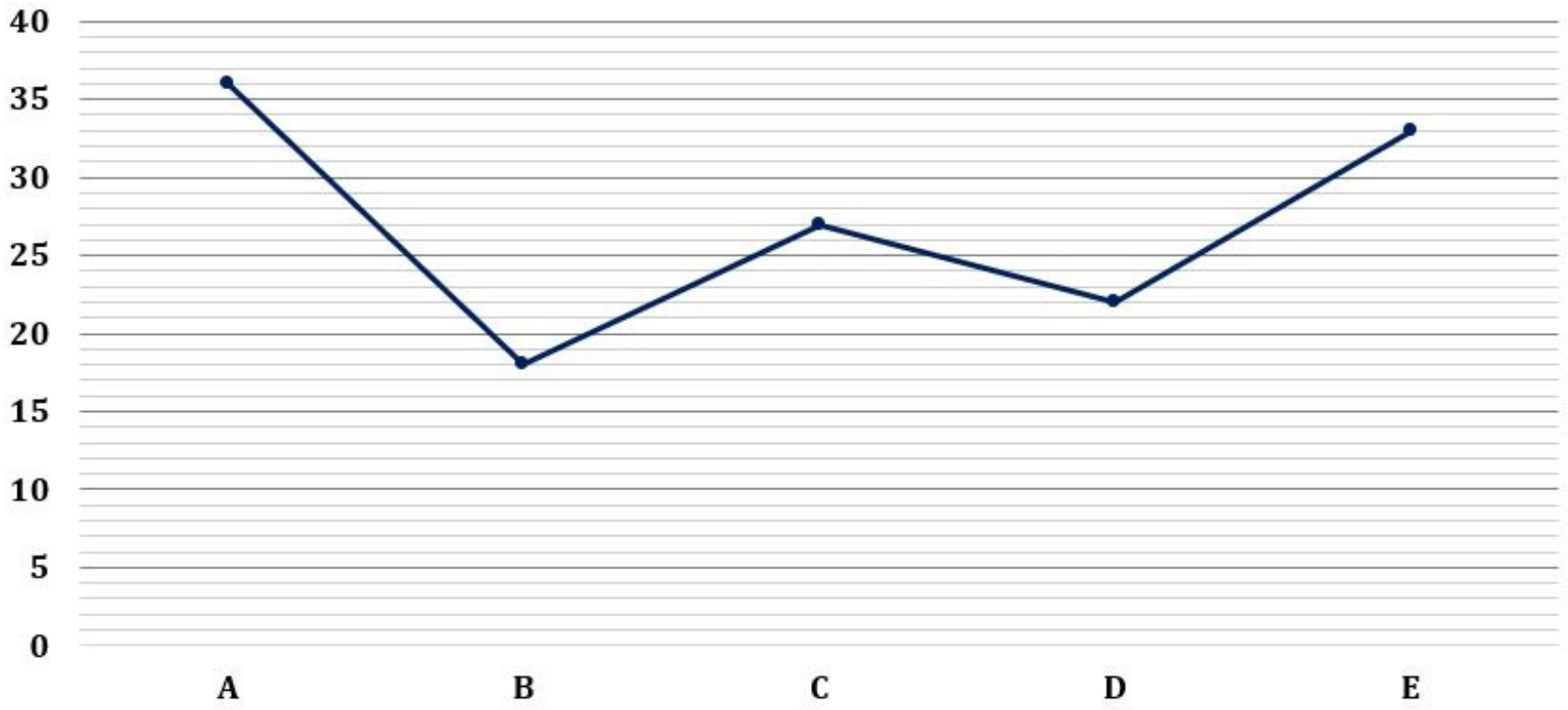
1. **Line graph given below shows number of passengers travelling in five (A, B, C, D & E) different compartment of a trains. Read the data carefully and answer the questions.**



A. **Find average number of passengers in A, C & E?**

(A) 32

(B) 30

(C) 36

(D) 33

(E) 27

Solution

Required average $= \frac{36+27+33}{3} = 32$

B. Find total number of passengers traveling in B, C & D together?

A 69

B 65

C **67**

D 63

E 71

Solution

Required number of passengers = 18 + 27 + 22 = 67

C. Total passenger in C and E together are what percent more than total passenger in A?

A $33\frac{1}{3}\%$

B **$66\frac{2}{3}\%$**

C $66\frac{1}{3}\%$

D 50%

E 60%

Solution

Total passenger in C and E = 27 + 33 = 60

Required percentage = $\frac{60-36}{36} \times 100$

$= \frac{24}{36} \times 100 = 66\frac{2}{3}\%$

D. Find the ratio of total passenger in B to that of in D?

A 7 : 9

B 9 : 10

C 11 : 9

D 9 : 13

E **9 : 11**

Solution

Required ratio = 18 : 22 = 9 : 11

E. **Total passengers in E are what percent less than total passengers in A?**

A $6\frac{1}{4}\%$

B **$8\frac{1}{3}\%$**

C $6\frac{1}{3}\%$

D $6\frac{2}{3}\%$

E 5%

Solution

Required percentage $= \frac{36-33}{36} \times 100$

$= \frac{3}{36} \times 100 = 8\frac{1}{3}\%$

2. **If the difference between the present age of P and Q is three years and the ratio between the age of P and Q after two years will be 5 : 4, then find the age of P after two years (in years)?**

A **15**

B 13

C 18

D 16

E 14

Solution

Let present age of Q = t years

So, present age of P = (t + 3) years

ATQ –

$$\frac{t+2}{(t+3)+2} = \frac{4}{5}$$

t = 10 years

So, Age of P after two years= (10 + 3) + 2 = 15 year

3. **A and B both spend 30% of their income together which is equal to Rs. 26400. If income of A is 20% more than that of B, then find the income of B (in Rs.)?**

A 52000

B 48000

C **40000**

D 36000

E 30000

Solution

Let total income of B = 100x

So, total income of A = 100x $(1 + \frac{20}{100}) = 120x$

ATQ –

$(100x + 120x) \times \frac{30}{100} = 26400$

66x = 26400

x = 400

So, income of B = 40000

4. **If a man invests equal sum at the same rate of interest on simple interest for T and T+4 years and the respective ratio of interest gets by man is 1:2 respectively, then find 'T'?**

A 6

B 2

C 5

D 3

E **4**

Solution

Let sum invested by man = Rs. X

And, rate of interest = r%

ATQ-

$$\frac{X \times r \times T}{X \times r \times (T+4)} = \frac{1}{2}$$

$$\frac{T}{(T+4)} = \frac{1}{2}$$

T = 4

5. **12 women can complete a work in 64 days, then find how many women will be required to complete $\frac{2}{3}$ rd of the same work in 16 days?**

A 28

B 24

C 36

D **32**

E 48

Solution

Let total work = $12 \times 64 = 768$ units

Required women = $768 \times \frac{2}{3} \times \frac{1}{16} = 32$

6. **A train running at the speed of 72 kmph crosses a pole in 30 seconds. Find the time taken by the same train to cross the pole with the speed of 54 kmph (in sec)?**

A 42

B 48

C 54

D 45

E **40**

Solution

Let length of train be 'l' meters

ATQ

$72 \times \frac{5}{18} = \frac{l}{30}$

$l = 600$ meters

Required time $= \frac{600}{54 \times \frac{5}{18}} = 40$ sec