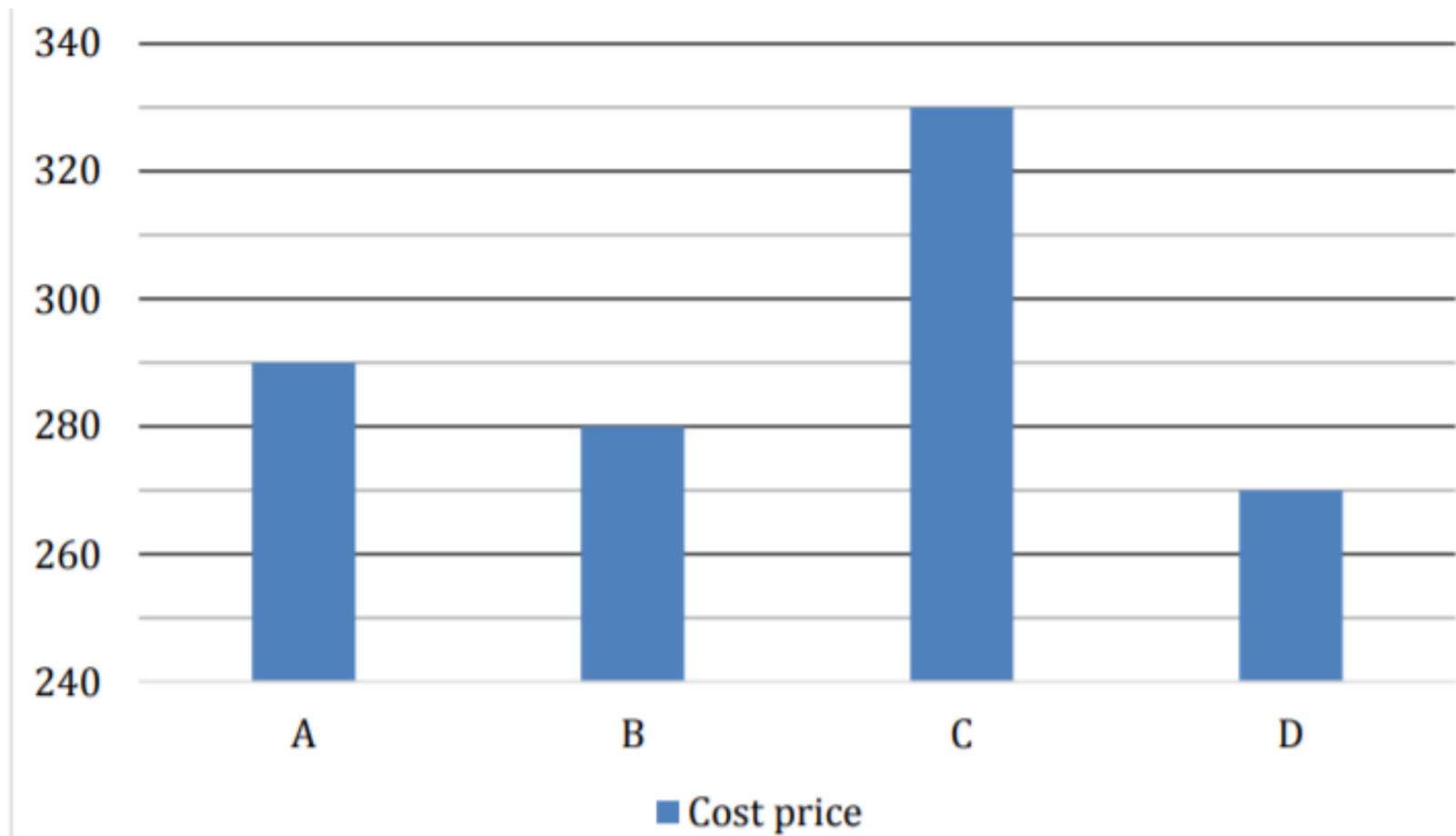


Banking Daily Quiz Blog - January 27



1. Read the instruction carefully and answer the questions based on it.

The following bar graph shows the cost price (in Rs.) of four different products in 2014.



A. Sum of cost price of products A and C together is approximately what percent more than the cost price of product D?

A 150%

B 140%

C 130%

D 120%

E 135%

Solution

Sum of Cost price of A and C together will be,

$$290 + 330 = \text{Rs. } 620$$

Cost price of D will be, *Rs.* 270

Hence,

Required percentage will be,

$$\frac{620-270}{270} \times 100\% \\ = 129.62\% \approx 130\%$$

B. Find the difference between sum of cost price of products A and B together and that of C and D together?

A *Rs.* 25

B *Rs.* 40

C *Rs.* 20

D *Rs.* 30

E *Rs.* 35

Solution

As per data given in the question,

Sum of Cost price of A and B together will be,

$$290 + 280$$

Sum of Cost price of A and B together will be,

$$330 + 270$$

Hence, required difference will be,

$$(330 + 270) - (290 + 280)$$

$$= \text{Rs. } 30$$

- C. **If the cost price of product B is increased by 25% in 2015 with respect to that of in 2014 then find the increment in the cost price of B.**

A *Rs.* 105

B *Rs.* 35

C *Rs.* 50

D *Rs.* 70

E *Rs.* 75

Solution

Cost price of B in 2014 = 280

Hence, CP of B in 2015 = $\frac{125}{100} \times 280 = \text{Rs. } 350$

So,

Increment in CP of B will be,

$$350 - 280 = \text{Rs. } 70$$

- D. **Average of the cost price of products B and C is how much more or less than the average of the cost price of products A and D?**

A *Rs.* 20

B *Rs.* 25

C *Rs.* 35

D *Rs.* 30

E *Rs.* 15

Solution

Sum of Cost price of B and C together will be,

$$280 + 330 = \text{Rs. } 610$$

So, Average CP of B and C will be,

$$\frac{610}{2} = \text{Rs. } 305$$

Sum of Cost price of A and D together will be,

$$290 + 270 = \text{Rs. } 560$$

So, Average CP of A and D will be,

$$\frac{560}{2} = \text{Rs. } 280$$

Hence, required difference will be,

$$305 - 280 = \text{Rs. } 25$$

E. Find the ratio of sum of cost price of B and D together to the cost price of C?

A 3:5

B 5:3

C 2:3

D 3:4

E 2:5

Solution

Sum of Cost price of B and D together will be,

$$280 + 270$$

Cost price of C will be,

$$= 330$$

Hence, required ratio will be,

$$550 : 330 = 5 : 3$$

2. Read the instruction carefully and answer the questions based on it.

Find the value of missing term in the following number series.

A. 13, 22, 36, 60, 99, ?

A 158

B 160

C 162

D 164

E 150

Solution

13, 22, 36, 60, 99, ?

$$22 - 13 = 9$$

$$36 - 22 = 14$$

$$60 - 36 = 24$$

$$99 - 60 = 39$$

Taking difference of difference we will get,

$$14 - 9 = 5$$

$$24 - 14 = 10$$

$$39 - 24 = 15$$

So,

Next difference will be,

$$39 + 20 = 59$$
$$59 + 99 = 158$$

B. 6, 4, 5, 8.5, ?, 46

A 16

B 22

C 18

D 20

E 19

Solution

6, 4, 5, 8.5, ?, 46

$$6 \times 0.5 + 1 = 4$$

$$4 \times 1 + 1 = 5$$

$$5 \times 1.5 + 1 = 8.5$$

$$? = 8.5 \times 2 + 1 = 17 + 1 = 18$$

$$18 \times 2.5 + 1 = 46$$

So, Value of ? will be = 18

C. 4, 13, 31, 67, ?, 283

A 138

B 139

C 129

D 149

E 159

Solution

4, 13, 31, 67, ?, 283

$$13 - 4 = 9$$

$$31 - 13 = 18 = (9 \times 2)$$

$$67 - 31 = 36 = (18 \times 2)$$

$$\text{So, ? will be} = 36 \times 2 + 67 = 72 + 67 = 139$$

$$283 - 139 = 144 = (72 \times 2)$$

D. 16, 24, 88, 304, 816, ?

A 1616

B 1816

C 1016

D 2016

E 1826

Solution

16, 24, 88, 304, 816, ?

$$16 + 2^3 = 24$$

$$24 + 4^3 = 88$$

$$88 + 6^3 = 304$$

$$304 + 8^3 = 816$$

$$816 + 10^3 = ? = 1816$$

E. 5, 16, 49, 148, 445, ?

A 1226

B 1316

C 1326

D 1236

E 1336

Solution

5, 16, 49, 148, 445, ?

$$5 \times 3 + 1 = 16$$

$$16 \times 3 + 1 = 49$$

$$49 \times 3 + 1 = 148$$

$$148 \times 3 + 1 = 445$$

So,

$$? = 445 \times 3 + 1 = 1336$$

