

Quiz Date: 27th February 2020

Directions (1 - 5): Find the wrong number in the following number series.

Q1. 8, 12, 24, 60, 120, 630, 2520

- (a) 120
- (b) 24
- (c) 630
- (d) 2520
- (e) 8

Q2. 800, 544, 420, 352, 320, 304

- (a) 544
- (b) 420
- (c) 352
- (d) 320
- (e) 800

Q3. 10.3, 12.1, 14.3, 17.6, 22, 27.5

- (a) 14.3
- (b) 12.1
- (c) 10.3
- (d) 22
- (e) 27.5

Q4. 4, 3, 5, 15, 55, 274, 1643

- (a) 4
- (b) 3
- (c) 5
- (d) 55
- (e) 15

Q5. 8, 5, 7, 15, 80, 656

- (a) 8
- (b) 7
- (c) 15
- (d) 80
- (e) 656

Q6. Veer starts cycling from his home to office at uniform speed of 5 kmph. After 30 minutes, Anurag starts cycling at uniform speed of 15 kmph in same direction from same point. At what distance from the initial point (Veer's home), he will meet Veer?

- (a) 3.75 km
- (b) 4 km
- (c) 3.5 km



BANKERS

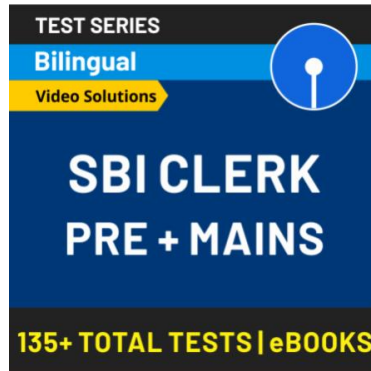


adda247

- (d) 2.75 km
- (e) 3 km

Q7. Sum of digits of a two-digit number is 9. When digits of the number are reversed then number formed is 27 more than the original number. Find the original number?

- (a) 45
- (b) 27
- (c) 81
- (d) 36
- (e) 54



Q8. The ratio of efficiency of A and B to complete the work is 2:3. If A alone work for 6 days then left the work and B alone finishes remaining work in 12 days. Find the time taken by A alone to complete the work?

- (a) 18 days
- (b) 12 days
- (c) 24 days
- (d) 22 days
- (e) 20 days

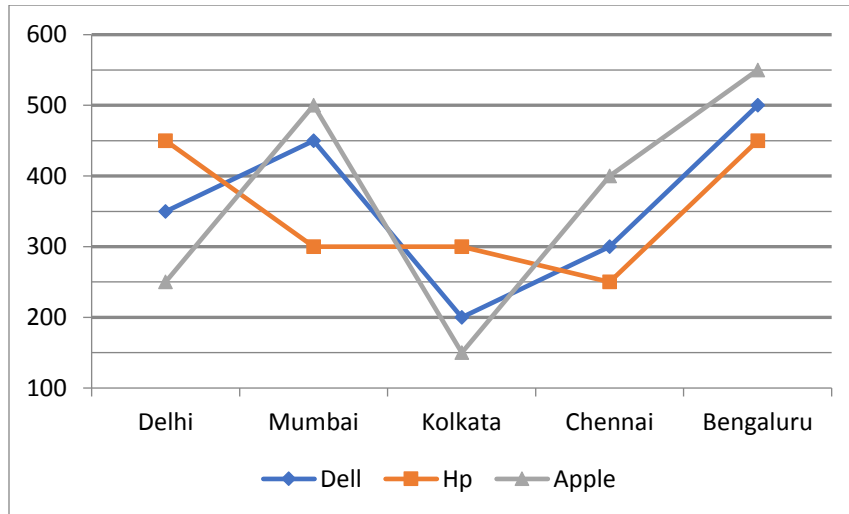
Q9. Sum of present age of A and C is 56 years and C is 10 years younger than B. Ratio of present age of B to present age of C is 3:2. Find present age of A?

- (a) 40 years
- (b) 38 years
- (c) 24 years
- (d) 32 years
- (e) 36 years

Q10. Distance covered by boat in upstream is $33\frac{1}{3}\%$ less than that of downstream in same time. If speed of stream is 2.5 kmph then, find the speed of boat in still water?

- (a) 15 kmph
- (b) 12.5 kmph
- (c) 10 kmph
- (d) 8.5 kmph
- (e) 16 kmph

Directions (11-15):- following line graph shows the data of 3 different types of desktop sold in 5 different cities. Study the given graph carefully and answer the questions that follows.



Q11. Number of HP desktop sold in Kolkata is what percent of total desktop sold in Bengaluru?

- (a) 30%
- (b) $33\frac{1}{3}\%$
- (c) 20%
- (d) $14\frac{2}{7}\%$
- (e) 25%

Q12. Find the respective ratio of HP desktop sold in Kolkata and Mumbai together to the total desktop sold in Chennai?

- (a) 12:19
- (b) 11:18
- (c) 16:15
- (d) 15:16
- (e) 19:12

Q13. Find the total number of desktops sold in Bengaluru and Kolkata together?

- (a) 2340
- (b) 2150
- (c) 1850
- (d) 1900
- (e) 1980

Q14. Find the difference between number of Apple desktop sold in Bengaluru and number of dell desktop sold in Delhi?

- (a) 120
- (b) 140
- (c) 180
- (d) 200
- (e) 160

Q15. Find the average number of Dell desktop sold in all cities together?

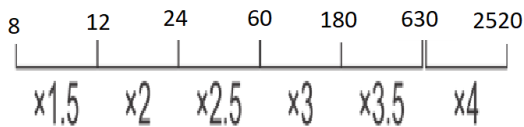
- (a) 280
- (b) 300
- (c) 420
- (d) 320
- (e) 360

Solutions

S1. Ans. (a)

Sol. Wrong number =120

Pattern of series-



So, there should be 180 in place of 120.

S2. Ans.(b)

Sol.

Wrong number =420

Pattern of series-

$$800 - 256 = 544,$$

$$544 - 128 = 416,$$

$$416 - 64 = 352,$$

$$352 - 32 = 320,$$

$$320 - 16 = 304$$

So, there should be 420 in place of 416.

S3. Ans.(c)

Sol.

Wrong number =10.3

Pattern of series-

$$11 + 1.1 = 12.1,$$

$$12.1 + 2.2 = 14.3,$$

$$14.3 + 3.3 = 17.6,$$

$$17.6 + 4.4 = 22,$$

$$22 + 5.5 = 27.5$$

So, there should be 11 in place of 10.3

S4. Ans.(e)

Sol.

Wrong number =15

Pattern of series-

$$4 \times 1 - 1 = 3,$$

$$3 \times 2 - 1 = 5,$$

$$5 \times 3 - 1 = 14,$$

$$14 \times 4 - 1 = 55,$$

$$55 \times 5 - 1 = 274,$$

$$274 \times 6 - 1 = 1643$$

So, there should be 14 in place of 15.

S5. Ans.(c)

Sol.

Wrong number =15

Pattern of series-

$$8 \times 0.5 + 1 = 5,$$

$$5 \times 1 + 2 = 7,$$

$$7 \times 2 + 4 = 18,$$

$$18 \times 4 + 8 = 80,$$

$$80 \times 8 + 16 = 656$$

So, there should be 18 in place of 15.



S6. Ans(a)

$$\text{Sol. distance covered by Veer in 30 min} = 5 \times \frac{30}{60} = \frac{5}{2} \text{ km}$$

$$\text{Time taken to meet Veer by Anurag} = \frac{\frac{5}{2}}{15-5} = \frac{1}{4} \text{ hours}$$

$$\text{Distance covered by Anurag to Meet Veer} = 15 \times \frac{1}{4} = 3.75 \text{ km}$$

S7. Ans.(d)

Sol.

Let the number be $10x+y$

ATQ,

$$10y + x - 10x - y = 27$$

$$y - x = 3 \dots\dots\dots(i)$$

$$x + y = 9 \dots\dots\dots(ii)$$

solving (i) and (ii) , we get

$$x = 3 \text{ and } y = 6$$

Therefore number = 36

S8. Ans.(c)

Sol.

Let efficiency of A alone and B alone to finish the work be $2x$ and $3x$ respectively

ATQ,

$$2x \times 6 + 3x + 12 = 1$$

$$x = \frac{1}{48}$$

therefore, A alone can do the work in = $\frac{1}{2 \times 1/48} = 24 \text{ days}$

S9. Ans.(e)

Sol.

Total age of A and C together = 56 years

Let present age of A and C be $3x$ and $2x$ years respectively

ATQ,

$$3x - 2x = 10$$

$$x = 10$$

present age of A = $56 - 20 = 36$ years

S10. Ans.(b)

Sol.

Let distance covered by boat in upstream and downstream be $2x$ and $3x$ km respectively

And speed of boat in still water be y km/hr

ATQ,

$$\frac{2x}{y-2.5} = \frac{3x}{y+2.5}$$

On Solving , we get

$$y = 12.5 \text{ km/hr}$$

S11. Ans(c)

Sol.

Number of Hp desktop sold in Kolkata = 300

Number of total desktops sold in Bengaluru = $450 + 500 + 550 = 1500$

Required percentage = $\frac{300}{1500} \times 100 = 20\%$

S12. Ans(a)

Sol.

Total HP desktop sold in Kolkata and Mumbai = $300 + 300 = 600$

Total desktop sold in Chennai = $250 + 300 + 400 = 950$

Respective ratio = 12:19

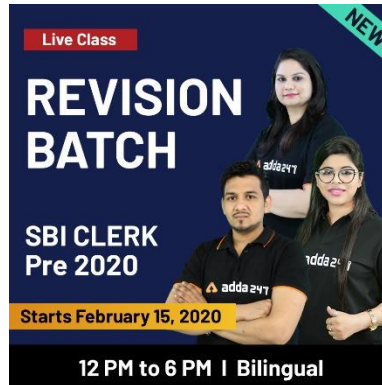
S13. Ans(b)

Sol.

Total number of desktops sold in Kolkata = $150+200+300= 650$

And total number of desktops sold in Bengaluru = $450+500+550 = 1500$

Required sum = 2150



S14. Ans(d)

Sol.

Apple desktop sold in Bengaluru = 550

Dell desktop sold in Delhi = 350

Required difference = 200

S15. Ans(e)

Sol. Total number of Dell desktop sold in all the cities together = $350+450+200+300+500=1800$

Required Average = $\frac{1800}{5}=360$

BANKERS

adda247

For any Banking/Insurance exam Assistance, Give a Missed call @ 01141183264