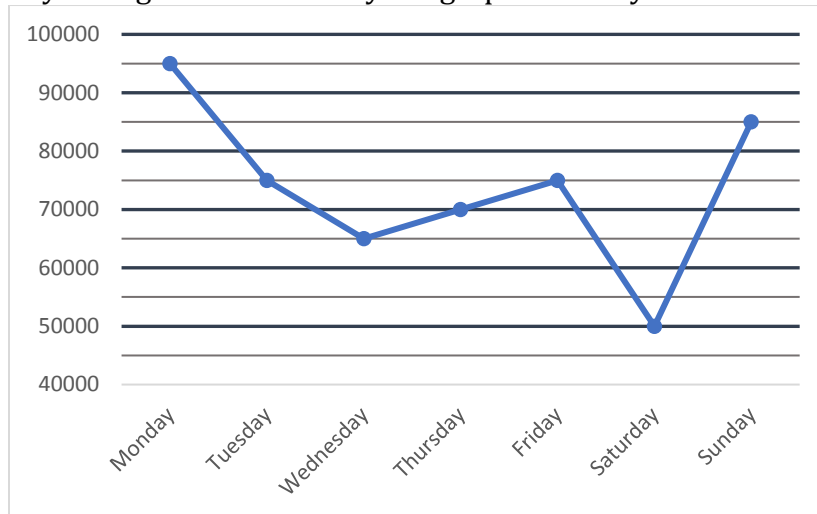


Quiz Date: 12<sup>th</sup> September 2020

Directions (1-6): The line graph shows the no. of passengers who travels from Metro in 7 days of a given week. Study the graph carefully and answer the following question.



Q1. What is the average no. of passenger travels from Tuesday to Saturday?

- (a) 64000
- (b) 67000
- (c) 72000
- (d) 70000
- (e) 75000

Q2. Passenger who travel on Thursday are what percentage of passengers who travels on Saturday?

- (a) 120%
- (b) 71.4%
- (c) 140%
- (d) 87.5%
- (e) 175%

Q3. Find the ratio of no. of passenger travels on Monday and Thursday together to Tuesday and Sunday together.

- (a) 33 : 32
- (b) 33 : 34
- (c) 17 : 16
- (d) 1 : 1
- (e) 3 : 2

Q4. Passengers travels on Tuesday are what percentage more/less than that on Wednesday?

- (a)  $13\frac{1}{13}\%$
- (b)  $16\frac{2}{3}\%$

- (c)  $14\frac{8}{13}\%$   
(d)  $15\frac{5}{13}\%$   
(e)  $12\frac{4}{13}\%$

Q5. Passenger travels on Wednesday and Friday together are how much more or less than that on Sunday and Monday together?

- (a) 30000  
(b) 50000  
(c) 35000  
(d) 40000  
(e) 45000

Q6. What is the difference between average passenger travel on Tuesday, Wednesday and Thursday and average passenger travels on Friday, Saturday and Sunday?

- (a) 10000  
(b) 30000  
(c) 15000  
(d) 20000  
(e) 0

Q7. Excluding stoppages, the speed of bus is 105 kmph and including stoppages it is 98 kmph. For how many minutes does the bus stop per hour?

- (a) 4  
(b) 6  
(c) 5  
(d) 7  
(e) 2

Q8. Selling price of 25 articles is equal to the cost price of 30 article what is the profit percent obtained?

- (a) 25%  
(b) 20%  
(c) 30%  
(d) 10%  
(e) 40%

Q9. Find compound interest on Rs. 5000 at 10% per annum for 3 years?

- (a) Rs. 1565  
(b) Rs. 1445  
(c) Rs. 1210  
(d) Rs. 1655  
(e) Rs. 1855

Q10. 12 men and 18 women can complete a work in 10 days. If a man can do as much work as two women and a woman can do much work as two children, then in how many days 6 man and 6 children will complete the same work?

- (a) 32 days
- (b) 26 days
- (c) 30 days
- (d) 28 days
- (e) 24 days

Directions (11-15): What approximate value should come in place of questions mark (?) in the following questions?

Q11.  $14.8 \times 12.3 + 33.3 \times 36.8 = ?$

- (a) 1400
- (b) 1500
- (c) 1450
- (d) 1320
- (e) 1520

Q12.  $15.3 \div 3.1 \div \frac{1}{4.8} - 81 \div 4.9 = ?^2$

- (a) 2
- (b) 5
- (c) 7
- (d) 3
- (e) 4

Q13.  $24.80\% \text{ of } 199 - 22.3\% \text{ of } 249 + 4.97 = ? \times 10.8$

- (a) 0
- (b) 2
- (c) 3
- (d) 1
- (e) 5

Q14.  $\sqrt{1765} + 99\% \text{ of } 444.6 = ? \times 71 - 3.02$

- (a) 5
- (b) 12
- (c) 17
- (d) 7
- (e) 13

Q15.  $12.57 \times 18.2 \div 4.57 + 10.01^2 = ?^3 + 86.2$

- (a) 1
- (b) 5
- (c) 7
- (d) 2
- (e) 4

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## Solutions

S1. Ans (b)

$$\begin{aligned}\text{Sol. Required average} &= \frac{(75+65+70+75+50) \times 1000}{5} = \frac{335000}{5} \\ &= 67000\end{aligned}$$

S2. Ans (c)

$$\text{Sol. Required percentage} = \frac{70000}{50000} \times 100 = 140\%$$

S3. Ans (a)

$$\begin{aligned}\text{Sol. Required ratio} &= \frac{95000+70000}{75000+85000} = \frac{165000}{160000} \\ &= 33 : 32\end{aligned}$$

S4. Ans (d)

$$\begin{aligned}\text{Sol. Required percentage} &= \frac{75000-65000}{65000} \times 100 \\ &= \frac{10000}{65000} \times 100 = 15\frac{5}{13}\%\end{aligned}$$

S5. Ans (d)

$$\begin{aligned}\text{Sol. Required difference} &= (95000 + 85000) - (65000 + 75000) \\ &= 180000 - 140000 = 40000\end{aligned}$$

S6. Ans (e)

$$\begin{aligned}\text{Sol. Required difference} &= \frac{75000+65000+70000}{3} - \frac{75000+50000+85000}{3} \\ &= \frac{210000}{3} - \frac{210000}{3} = 0\end{aligned}$$

S7. Ans.(a)

$$\begin{aligned}\text{Sol. Stoppage time per hour} &= \\ &= \left( \frac{\text{Speed of bus without stoppage} - \text{Speed of bus with stoppage}}{\text{Speed of bus without stoppage}} \right) \times 100 \\ &= \frac{105-98}{105} \times 60 \\ &= 4 \text{ min.}\end{aligned}$$

S8. Ans(b)

Sol. A.T.Q

$$25 \times \text{S.P of an article} = 30 \times \text{C.P of an article}$$

$$\frac{SP}{CP} = \frac{6}{5}$$

$$\therefore \text{required percentage} = \frac{1}{5} \times 100 = 20\%$$

S9. Ans (d)

Sol.

ATQ,

$$\begin{aligned} \text{Compound interest} &= \text{principal} \left[ \left( 1 + \frac{\text{rate}}{100} \right)^3 - 1 \right] \\ &= 5000 \left[ \left( 1 + \frac{10}{100} \right)^3 - 1 \right] \\ &= 5000 \left( \frac{1331}{1000} - 1 \right) \\ &= 5000 \times \frac{331}{1000} \\ &= \text{Rs.1655} \end{aligned}$$

S10. Ans.(d)

Sol. Ratio of efficiency of man, woman a child = 4 : 2 : 1

$\therefore (12M + 18W) \rightarrow 10$  days

$\Rightarrow (12 \times 2 + 18) W \rightarrow 10$  days

$\Rightarrow 42W \rightarrow 10$  days

$\Rightarrow 42 \times 2 C \rightarrow 10$  days

One child will complete the work in  $\rightarrow 84 \times 10 = 840$  days

And,  $1M = 4C$

$\therefore (6M+6C) = (24+ 6) C= 30C$

$\therefore$  Required no. of days =  $\frac{840}{30} = 28$  days

S11. Ans(a)

Sol.  $15 \times 12 + 33 \times 37 \approx ?$

$180 + 1221 \approx ?$

$? \approx 1400$

S12. Ans(d)

Sol.  $15 \div 3 \times 5 - \frac{80}{5} \approx ?^2$

$25 - 16 \approx ?^2$

$? \approx \sqrt{9}$

$? \approx 3$

S13. Ans(a)

Sol.  $\frac{25}{100} \times 200 - \frac{22}{100} \times 250 + 5 \approx ? \times 11$

$50 - 55 + 5 \approx ? \times 11$

$? \approx 0$

S14. Ans(d)

Sol.  $\sqrt{1764} + \frac{100}{100} \times 445 + 3 \approx ? \times 70$

$42 + 448 \approx ? \times 70$

$? \approx \frac{490}{70}$

$? \approx 7$

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S15. Ans(e)

$$\text{Sol. } \frac{12.5}{4.5} \times 18 + 100 \approx ?^3 + 86$$

$$50 + 100 - 86 \approx ?^3$$

$$? \approx \sqrt[3]{64}$$

$$? \approx 4$$

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

