

Quiz Date: 21st September 2020

Directions (1-5): Table given below shows profit of two sellers in five different months. Study the table carefully and answer the following questions.

Month Seller	Jan	Feb	Mar	Apr	May
Satish	3600	4800	5500	4600	6500
Veer	4400	2700	2400	5400	6000

Q1. Total profit by Satish and Veer in April is what percent more than total profit by Satish and Veer in January?

- (a) 27.5%
- (b) 35%
- (c) 30%
- (d) 20%
- (e) 25%

Q2. Satish spend his profit of May on household item, savings and medicines in the ratio 7 : 4 : 2. Find the amount Satish spend on household and Medicines together.

- (a) 2000
- (b) 4500
- (c) 3000
- (d) 3500
- (e) 5500

Q3. Satish's average profit in Feb and March is how much more than Veer's average profit in Feb and March?

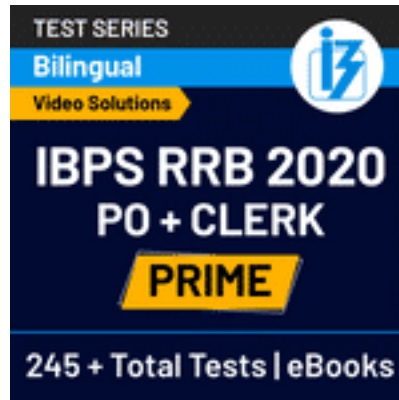
- (a) 2600
- (b) 2800
- (c) 3000
- (d) 2400
- (e) 2200

Q4. Find the ratio of Satish's profit in March and May together to Veer's profit in Same months ?

- (a) $\frac{7}{10}$
- (b) $\frac{9}{7}$
- (c) $\frac{10}{7}$
- (d) $\frac{7}{9}$
- (e) None of these

Q5. Satish's profit in Jan and Feb together is how much percent more than Veer's profit in April?

- (a) $46\frac{5}{9}\%$
- (b) $51\frac{5}{9}\%$
- (c) $55\frac{5}{9}\%$
- (d) $60\frac{5}{9}\%$
- (e) $65\frac{5}{9}\%$



Directions (6-10): What should come in place of question mark (?) in the following questions?

Q6. 75% of $450 + 25\%$ of $850 = ?$

- (a) 540
- (b) 580
- (c) 550
- (d) 560
- (e) 555

Q7. $? = \sqrt{273 - 119 \times 3 + 280}$

- (a) 14
- (b) 20
- (c) 24
- (d) 16
- (e) 12

Q8. $(4)^? = 32 \times 512 \div 128 \times 8$

- (a) 3
- (b) 3.5
- (c) 4
- (d) 4.5
- (e) 5

Q9. $? + 2\frac{1}{3} + 5\frac{1}{6} - 7\frac{8}{11} = 3\frac{3}{11} + 8\frac{1}{2}$

- (a) $12\frac{2}{7}$
- (b) $11\frac{5}{6}$
- (c) 12
- (d) 11
- (e) $12\frac{2}{11}$

Q10. $8\frac{1}{3}\%$ of 240 = 25% of ? – $8\frac{1}{3}\%$ of 384

- (a) 280
- (b) 216
- (c) 240
- (d) 256
- (e) 208

Directions (11-15): What will come in the place of the question mark (?) in the following number series?

Q11. 24, 12, 12, 18, 36, ?

- (a) 94
- (b) 78
- (c) 86
- (d) 90
- (e) 82

Q12. 270, 225, 189, 162, 144, ?

- (a) 132
- (b) 135
- (c) 138
- (d) 136
- (e) 133

Q13. 12, 13, 22, 47, 96, ?

- (a) 177
- (b) 217
- (c) 196
- (d) 160
- (e) 172

Q14. 15, 16, 34, 105, 424, ?

- (a) 2025
- (b) 2120
- (c) 2125

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- (d) 1845
(e) 1600

- Q15. 3, 5, 15, 45, 113, ?
(a) 233
(b) 238
(c) 223
(d) 228
(e) 243

Solutions

S1. Ans.(e)

Sol.

Required percentage

$$= \frac{(4600 + 5400) - (3600 + 4400)}{3600 + 4400} \times 100$$

$$= \frac{10000 - 8000}{8000} \times 100$$

$$= \frac{2000}{80} \% = 25\%$$

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S2. Ans.(b)

Sol.

$$\text{Amount Satish spend on household and medicine} = \frac{7+2}{13} \times 6500$$

$$= 9 \times 500$$

$$= 4500$$

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S3. Ans.(a)

Sol.

Satish's average profit in Feb & March

$$= \frac{4800 + 5500}{2} = 5150$$

Veer's average profit in Feb & March

$$= \frac{2700 + 2400}{2} = 2550$$

$$\text{Required difference} = 5150 - 2550 = 2600$$

S4. Ans.(c)

Sol.

$$\text{Required Ratio} = \frac{5500+6500}{2400+6000}$$

$$= \frac{12000}{8400}$$

$$= \frac{10}{7}$$

S5. Ans.(c)

Sol.

Required percentage

$$= \frac{(3600 + 4800) - 5400}{5400} \times 100$$

$$= \frac{3000}{54} \%$$

$$= 55\frac{5}{9} \%$$

S6. Ans.(c)

Sol.

$$75\% \times 450 + 25\% \times 850 = ?$$

$$? = \frac{25}{100} [3 \times 450 + 850] = \frac{1}{4} [2200] = 550$$



S7. Ans.(a)

Sol.

$$? = \sqrt{273 - 357 + 280} = \sqrt{196} = 14$$

S8. Ans.(e)

Sol.

$$(4)^? = \frac{32 \times 512 \times 8}{128} = 1024$$

$$(4)^? = (4)^5$$

$$\Rightarrow ? = 5$$

S9. Ans.(c)

Sol.

$$? + 2 + \frac{1}{3} + 5 + \frac{1}{6} - 7 - \frac{8}{11} = 3 + \frac{3}{11} + 8 + \frac{1}{2}$$

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