Q.1 The value of $\frac{33}{40}+\frac{1}{5}\left[\frac{4}{5}-\frac{1}{5}\times\left(\frac{7}{8}-\frac{5}{4}\right)\right]-\frac{4}{5}$ is:

Ans

✔ 1. $\frac{1}{5}$

✘ 2. $\frac{1}{4}$

✘ 3. $\frac{1}{7}$

✘ 4. $\frac{1}{3}$

Question ID : **65497831195**
Status : **Answered**
Chosen Option : **1**

Q.2 The value of $\frac{(251)^3+(249)^3}{25.1\times25.1-624.99+24.9\times24.9}$ is 5×10^k, where the value of k is:

Ans

✔ 1. 4

✘ 2. 6

✘ 3. 3

✘ 4. 5

Question ID : **65497831192**
Status : **Answered**
Chosen Option : **1**

Q.3 A shopkeeper buys a table fan marked at ₹2,600 on 18% discount. He marked it for ₹2,800 and allows a 15% discount. How much does he earn?

Ans

✘ 1. ₹420

✘ 2. ₹200

✘ 3. ₹220

✔ 4. ₹248

Question ID : **65497831183**
Status : **Answered**
Chosen Option : **4**

Q.4 A can do a certain work in 15 days. B is 10% less efficient than A, and C is 20% more efficient than A. All the three work together for 3 days. The remaining work is completed by D alone in $9\frac{1}{2}$ days. D alone can complete the original work in:

Ans

✘ 1. 18 days

✘ 2. 15 days

✔ 3. 25 days

✘ 4. 20 days

Question ID : **65497831206**
Status : **Not Answered**
Chosen Option : **--**

Q.5 Pipes A and B can empty a full tank in 15 minutes and 20 minutes, respectively, while pipe C alone can fill the empty tank in 8 minutes. If pipes A, B and C are opened together, then in how many hours will the tank be filled?

Ans

✗ 1. 2.5

✗ 2. 1.5

✓ 3. 2

✗ 4. 3

Question ID : **65497831194**
Status : **Answered**
Chosen Option : **3**

Q.6 A factory requires 56 machines to manufacture a given number of articles in 144 days. How many machines will be required to produce the same number of articles in 96 days?

Ans

✗ 1. 63

✓ 2. 84

✗ 3. 77

✗ 4. 81

Question ID : **65497831190**
Status : **Answered**
Chosen Option : **2**

Q.7 The average height of 20 students of class 8 is 152 cm and the average height of 15 students of class 9 is 168 cm. What is the average height (to the nearest cm) of the students of both classes?

Ans

✓ 1. 159

✗ 2. 160

✗ 3. 157

✗ 4. 158

Question ID : **65497831189**
Status : **Answered**
Chosen Option : **1**

Q.8 A sum of ₹73,500 is divided among A, B, C and D in the ratio 3 : 7 : 9 : 11, respectively. What is the sum of the shares of A and D?

Ans

✓ 1. ₹34,300

✗ 2. ₹39,200

✗ 3. ₹24,500

✗ 4. ₹29,400

Question ID : **65497831184**
Status : **Answered**
Chosen Option : **1**

Q.9 Five years ago, the average age of A, B and C was 20 years. Six years ago, the average age of B and C was 9 years. What will be the age (in years) of A 3 years from now?

Ans

✗ 1. 41

✓ 2. 48

✗ 3. 45

✗ 4. 47

Question ID : **65497831203**
Status : **Answered**
Chosen Option : **2**

Q.10 The difference between the height and the radius of a solid cylinder is 23 cm. The total surface area of the cylinder is 1628 cm^2. The height and the radius of the cylinder, respectively, are (take $\pi = \frac{22}{7}$):

Ans

✗ 1. 33 cm, 10 cm

✓ 2. 30 cm, 7 cm

✗ 3. 32 cm, 09 cm

✗ 4. 28 cm, 5 cm

Question ID : **65497831201**
Status : **Not Answered**
Chosen Option : **--**

Q.11 The number of years taken for a sum of ₹5,000 to become ₹5,832 at a rate of 16 % per annum compounded half yearly, will be:

Ans

✗ 1. 1.5 years

✗ 2. $\frac{1}{2}$ year

✗ 3. 2 years

✓ 4. 1 year

Question ID : **65497831200**
Status : **Answered**
Chosen Option : **4**

Q.12 If 25% of x is 40 less than 30% of $(x + 60)$, then 35% of $(x - 40)$ is what percentage more than 120?

Ans

✓ 1. $16\frac{2}{3}\%$

✗ 2. 20%

✗ 3. $12\frac{1}{2}\%$

✗ 4. 25%

Question ID : **65497831205**
Status : **Not Answered**
Chosen Option : **--**

Q.13 What is the least number added to 2483 so that it is completely divisible by 3, 4, 5 and 6?

Ans

✔ 1. 37

✘ 2. 23

✘ 3. 22

✘ 4. 30

Question ID : **65497831197**
Status : **Answered**
Chosen Option : **1**

Q.14 How many minutes will Radha take to cover a distance of 1950 m, if she runs at a speed of 26 km/h?

Ans

✘ 1. $7\frac{1}{2}$ minutes

✔ 2. $4\frac{1}{2}$ minutes

✘ 3. $3\frac{1}{2}$ minutes

✘ 4. $5\frac{1}{2}$ minutes

Question ID : **65497831196**
Status : **Answered**
Chosen Option : **2**

Q.15 Two numbers are in the ratio 9 : 11. If their HCF is 23, then the difference of the two numbers is:

Ans

✔ 1. 46

✘ 2. 146

✘ 3. 56

✘ 4. 253

Question ID : **65497831188**
Status : **Answered**
Chosen Option : **1**

Q.16 A certain sum of money doubles itself in 6 years. How much time (in years) will it take to become five times of itself at the same rate?

Ans

✘ 1. 30

✔ 2. 24

✘ 3. 35

✘ 4. 28

Question ID : **65497831191**
Status : **Answered**
Chosen Option : **1**

Q.17 A train can cross a tunnel of length 600 m in 54 seconds, and it can cross a 350 m long bridge in 36 seconds. Which of the following statements is/are correct?

(i) The speed of the train is 60 km/h.
(ii) The length of the train is 150 m.

Ans
✓ 1. Only statement (ii)
✗ 2. Only statement (i)
✗ 3. Neither statement (i) nor (ii)
✗ 4. Both statements (i) and (ii)

Question ID : **65497831207**
Status : **Not Answered**
Chosen Option : **--**

Q.18 A man bought two mobiles phones for ₹50,000. He sold one of them at a profit of 15% and the other at a loss of 20%. If the selling price of each mobile is the same, what is the approximate cost price (to the nearest rupee) of the mobile that was sold at a loss?

Ans
✗ 1. 27,368
✗ 2. 25,465
✓ 3. 29,487
✗ 4. 20,513

Question ID : **65497831186**
Status : **Not Answered**
Chosen Option : **--**

Q.19 A man lent out ₹14,000 at 5% and ₹19,000 at 6% simple interest per annum. His total income (in ₹) from the interest in 3 years is:

Ans
✗ 1. 3,420
✗ 2. 2,100
✗ 3. 5,445
✓ 4. 5,520

Question ID : **65497831187**
Status : **Answered**
Chosen Option : **4**

Q.20 If X is 12.25% more than Y, then Y is approximately _____ less than X.

Ans
✗ 1. 3%
✓ 2. 10.9%
✗ 3. 12%
✗ 4. 15.6%

Question ID : **65497831198**
Status : **Not Answered**
Chosen Option : **--**

Q.21 Raghu bought some pens at the rate of 12 for ₹100 and an equal number of pens at 15 for ₹135. How many pens should he sell for ₹260, so as to make a profit of 20%?

Ans
1. 20 ✗
2. 30 ✗
3. 24 ✗
4. 25 ✓

Question ID : **65497831202**
Status : **Not Answered**
Chosen Option : **--**

Q.22 A person bought a rectangular piece of land whose length and breadth are in the ratio 7 : 5. If the cost of fencing the land is ₹2,880 at the rate of ₹15/m, then what is the length of the land?

Ans
1. 56 m ✓
2. 40 m ✗
3. 60 m ✗
4. 84 m ✗

Question ID : **65497831185**
Status : **Not Answered**
Chosen Option : **--**

Q.23 The ages of two persons P and Q are in the ratio 5 : 7. Eight years ago, the ratio of P and Q was 7 : 13. The present ages of P and Q, respectively, are:

Ans
1. 15 and 21 years ✓
2. 20 and 28 years ✗
3. 21 and 15 years ✗
4. 12 and 13 years ✗

Question ID : **65497831199**
Status : **Answered**
Chosen Option : **1**

Q.24 By selling an article for ₹1800, triple the profit is obtained than the profit that would have been obtained by selling it for ₹1350. The cost price (in ₹) of the article is:

Ans
1. 1200 ✗
2. 1125 ✓
3. 1250 ✗
4. 1175 ✗

Question ID : **65497831193**
Status : **Answered**
Chosen Option : **1**

Q.25 The marked price of an article is ₹550. It is sold for ₹317.90, after giving three successive discounts of 15%, x % and 20% on its marked price. If it is sold by giving a single discount of 2 x %, then its selling price (in ₹) will be:

Ans

✗ 1. 440

✓ 2. 385

✗ 3. 495

✗ 4. 484

Question ID : **65497831204**
Status : **Not Answered**
Chosen Option : **--**