

Ratios and Proportions Previous Year Questions (English)

Basic

Q:1 A, B, C and D share a property worth Rs.93,100. If $A : B = 1 : 2$, $B : C = 3 : 4$ and $C : D = 5 : 6$, then find the share of C.

SSC CGL Tier I 2nd Dec 2022 Shift 2

1.Rs.34,000 2.Rs.28,000

3.Rs.25,000 4.Rs.31,000

Q:2 The cost of a piece of diamond varies with the square of its weight. A diamond of Rs.6,084 value is cut into 3 pieces whose weights are in the ratio $3 : 2 : 1$. Find the loss involved in the cutting.

SSC CGL Tier I 3rd Dec 2022 Shift 2

1.Rs.3,768 2.Rs.3,718

3.Rs.3,168 4.Rs.3,518

Q:3 If $a : b = 2 : 3$ and $c : b = 5 : 6$, then $a : ab : bc$ is equal to:

SSC CGL Tier I 11th Jun 2019 Shift 2

1.6 : 9 : 12 2.10 : 15 : 18

3.2 : 12 : 15 4.6 : 9 : 16

Q:4 If $a : b = 2 : 5$, $c : b = 3 : 4$, then $a : b : c$ is equal to:

SSC CGL Tier I 12th Jun 2019 Shift 3

1.2 : 5 : 3 2.2 : 5 : 4

3.6 : 15 : 20 4.8 : 20 : 15

Q:5 A sum of Rs.x is divided among A, B, and C such that the ratio of shares of A and B is 7 : 12 and that of B and C is 8: 5. If the difference in the shares of A and C is Rs.214, then the value of x is:

SSC CGL Tier I 7th Jun 2019 Shift 3

1.Rs.11,880 2.Rs.11,556

3.Rs.11,770 4.Rs.11,342

Q:6 If $3A = 2B = C$, then $A : B : C = ?$

SSC CGL Tier I 7th Jun 2019 Shift 2

1.6 : 2 : 3 2.1/3 : 1/2 : 1

3.3 : 2 : 1 4.1 : 3 : 2

Q:7 The central Government granted a certain sum to 3 states A, B, and C in the ratio 2 : 3 : 4. If C gets Rs. 400 Crores more than A, What is the share of B?

SSC CGL Tier I 11th Jun 2019 Shift 1

1.Rs. 400 crore 2.Rs. 200 crore

3.Rs. 600 crore 4.Rs. 300 crore

Q:8 Three numbers are in the ratio $1/2 : 2/3 : 3/4$. The difference between the greatest and the smallest number is 27. The smallest number is:

SSC CHSL Tier I 5th Jul 2019 Shift 2

1.54 2.81 3.72 4.40

Q:9 Three number are in the ratio $1/2 : 2/3 : 3/4$. The difference between the greatest and the smallest number is 27. The average of the three number is:

SSC CHSL Tier I 5th Jul 2019 Shift 1

1.69 2.81 3.40 4.54

Q:10 In a college, 25% male faculties are same in number as $\frac{1}{3}$ rd of the female faculties. What is the ratio of male faculty to female faculty in that college?

SSC CHSL Tier I 5th Jul 2019 Shift 3

1.4:3 2.3:4 3.2:3 4.3:2

Q:11 Two positive numbers are in the ratio 7 : 4. If the difference between their squares is 297, then the sum of the two numbers is:

SSC GD Tier I 18th Nov 2021 Shift 1

1.35 2.33 3.32 4.42

Q:12 A sum of ₹ x is divided between A, B & C such that the ratio of shares of A and B is 3 : 5 and that of 4 : 7. If the difference between the shares of B & C is ₹ 1455, then the value of x is:

SSC GD Tier I 18th Nov 2021 Shift 3

1. ₹ 6,944 2. ₹ 3,395

3. ₹ 6,499 4. ₹ 5,335

Q:13 Two numbers are in the ratio of 3 : 4. If 60% of the first number is 144, then 30% of the second number will be:

SSC GD Tier I 18th Nov 2021 Shift 3

1.120 2.69 3.96 4.92

Q:14 A sum of Rs. 980 is divided among A, B and C such that A gets $\frac{3}{7}$ of B's share and C gets 75% of A's share. The share of C.

SSC GD Tier I 22nd Nov 2021 Shift 3

1.Rs. 160 2.Rs. 250

3.Rs. 180 4.Rs. 280

Q:15 If a sum of Rs. 644 is divided into three parts proportional to (12:23:34) then the first part will be:

SSC GD Tier I 22nd Nov 2021 Shift 3

1.Rs. 322 2.Rs. 168

3.Rs. 280 4.Rs. 186

Q:16 A sum of money is to be distributed among A, B, C and D in the ratio of 5 : 2 : 4 : 3. If A gets Rs.1000 more than D, what is B's share?

SSC GD Tier I 22nd Nov 2021 Shift 2

1.Rs. 2500 2.Rs. 500

3.Rs. 2000 4.Rs. 1000

Q:17 The cost of 2 dozen bananas is ₹ 240 and the cost of 18 lemons is ₹ 90. Find the ratio of the cost of 1 lemon to that of one banana.

SSC GD Tier I 24th Nov 2021 Shift 1

1.1 : 2 2.2 : 3 3.3 : 2 4.2 : 1

Q:18 The seats allotted for ECE, mechanical and civil engineering in a college are in the ratio 3 : 4 : 5. There is a proposal to increase the seats by 20%, 35% and 44% respectively. The ratio of the increased seats will be:

SSC GD Tier I 2nd Dec 2021 Shift 3

1.2 : 3 : 5 2.3 : 5 : 6

3.2 : 3 : 4 4.4 : 5 : 6

Q:19 The sides of a triangle are in the ratio 4 : 7 : 9. If the sum of the shortest and the longest sides is 65 cm, then what is the length of the third side? (in cm)

SSC GD Tier I 10th Dec 2021 Shift 1

1.35 cm 2.30 cm

3.55 cm 4.33.5 cm

Q:20 In a mixture of 60 L, the ratio of milk and water is 2 : 3, then the quantity of water in the mixture is :

SSC GD Tier I 1st Mar 2019 Shift 2

1.20 L 2.45 L 3.36 L 4.16 L

Q:21 Two numbers are respectively 25% and 50% more than a third number. The ratio of the first number to second number is :

SSC GD Tier I 1st Mar 2019 Shift 2

1.1 : 2 2.2 : 1 3.6 : 5 4.5 : 6

Q:22 Divide 500 into two parts such that the ratio of the first to the second part is 5 : 3.

SSC GD Tier I 7th Mar 2019 Shift 1

1.312.5, 187.5 2.308.5, 191.5

3.280, 220 4.300, 200

Q:23 The ratio between two numbers is 7 : 16. If the second number is 256 then the first number is:

SSC GD Tier I 7th Mar 2019 Shift 1

1.120 2.156 3.112 4.144

Q:24 In class there are a total of 60 boys and girls. Which of the following can't represent the ratio of the number of boys and girls in the class?

SSC GD Tier I 5th Mar 2019 Shift 2

1.2 : 3 2.1 : 3 3.1 : 6 4.3 : 7

Q:25 If $P : Q : R = 5 : 3 : 6$, then what will be the ratio of $(P/Q) : (Q/R) : R/P = ?$

SSC GD Tier I 11th Feb 2019 Shift 2

1.50 : 15 : 36 2.50 : 45 : 36

3.75 : 15 : 36 4.40 : 12 : 27

Q:26 A : B = 5 : 8 and B : C = 11 : 13. If A = 110, then what is the value of C ?

SSC GD Tier I 11th Feb 2019 Shift 2

1.176 2.104 3.208 4.88

Q:27 If A : B = 7 : 8 and B : C = 7 : 9, then what is the ratio of A : B : C ?

SSC GD Tier I 11th Feb 2019 Shift 2

1.56 : 49 : 72 2.49 : 56 : 72

3.56 : 72 : 49 4.72 : 56 : 49

Q:28 If x : y = 6 : 5 and z : y = 9 : 25, then what is the ratio of x : z ?

SSC GD Tier I 11th Feb 2019 Shift 3

1.50 : 33 2.54 : 125

3.10 : 3 4.48 : 25

Q:29 u : v = 4 : 7 and v : w = 9 : 7. If u = 72, then what is the value of w?

SSC GD Tier I 11th Feb 2019 Shift 1

1.98 2.77 3.63 4.49

Q:30 If A : B : C = 4 : 5 : 6, then what is the ratio of (1/A) : (1/B) : (1/C) ?

SSC GD Tier I 12th Feb 2019 Shift 1

1.15 : 10 : 12 2.10 : 12 : 15

3.15 : 12 : 10 4.12 : 10 : 15

Q:31 If $P : Q = 5 : 6$ and $R : Q = 25 : 9$, then what is the ratio of $P : R$?

SSC GD Tier I 12th Feb 2019 Shift 2

1. $10 : 13$ 2. $10 : 3$

3. $3 : 10$ 4. $13 : 10$

Q:32 If $X : Y = 7 : 5$ and $Y : Z = 7 : 11$, then what is the ratio of $X : Y : Z$?

SSC GD Tier I 12th Feb 2019 Shift 2

1. $30 : 35 : 49$ 2. $49 : 35 : 55$

3. $7 : 5 : 1$ 4. $49 : 30 : 55$

Q:33 If $2A = 3B = 7C$, then what is the ratio of $A : B : C$?

SSC GD Tier I 12th Feb 2019 Shift 3

1. $21 : 14 : 6$ 2. $14 : 10 : 21$

3. $21 : 10 : 6$ 4. $2 : 3 : 7$

Q:34 If $s : u : v : w = 2 : 9 : 6 : 7$ and $s + u + v + w = 864$, then what is the value of $s + u + w$?

SSC GD Tier I 12th Feb 2019 Shift 3

1. 612 2. 648 3. 734 4. 722

Q:35 If $1/A : 1/B : 1/C = 2 : 3 : 4$, then what is the ratio of $A : B : C$?

SSC GD Tier I 1st Mar 2019 Shift 1

1. $6 : 4 : 3$ 2. $4 : 3 : 6$

3. $3 : 6 : 4$ 4. $12 : 6 : 8$

Q:36 The ratio of number of children, women and men in colony is 6 : 4 : 3 respectively and the colony has at least 200 members. What will be minimum number of children in the colony?

SSC GD Tier I 14th Feb 2019 Shift 2

1.48 2.72 3.64 4.96

Q:37 Four numbers are in the ratio of 2 : 5 : 3 : 8 respectively. If the sum of these four numbers is 432, then what is the sum of first and fourth number?

SSC GD Tier I 14th Feb 2019 Shift 2

1.192 2.216 3.240 4.232

Q:38 If $X/3 = Y/5 = Z/9$, then what is the ratio of X : Y : Z ?

SSC CHSL Tier I 25th Mar 2018 Shift 2

1.9 : 5 : 6 2.3 : 5 : 6

3.15 : 9 : 5 4.3 : 5 : 9

Q:39 A bag has white and yellow balls in the ratio 7 : 11 respectively. If the total number of balls is 108, then how many balls are yellow?

SSC GD Tier I 18th Feb 2019 Shift 1

1.66 2.44 3.64 4.77

Q:40 A sum of Rs. 4107 is divided between A, B, C and D such that the ratio of shares of A and B is 3 : 4, that of B and C is 2 : 1 and that of C and D is 3 : 5. The share of B is:

SSC GD Tier I 18th Feb 2019 Shift 3

1.Rs. 1443 2.Rs. 1003

3.Rs. 1223 4.Rs. 1332

Q:41 Divide Rs.368 in the ratio 1 : 5 : 8 : 9. The rupees in the respective ratios are given by.

SSC GD Tier I 18th Feb 2019 Shift 2

1.16,80,127 & 145 2.16, 80, 129, & 143

3.16, 80, 128 & 144 4.16, 80, 128 & 143

Q:42 The ratio of the distance between two places A and B to the distance between places B and C is 3 : 5. A man travels from A to B at a speed of x km/h and from B to C at a speed of 50 km/h. If his average speed for the entire journey is 40km/h, then what is the value of $(x-10):(x+1)$?

SSC CGL Tier II 29th Jan 2022

1.20 : 31 2.31 : 20

3.10 : 11 4.11 : 10

Q:43 When 5 children from class A join class B, the number of children in both classes is the same. If 25 children from B, join A, then the number of children in A becomes double the number of children in B. The ratio of the number of children in A to B is:

SSC CGL Tier II 16th Nov 2020

1.19 : 18 2.9 : 8

3.18 : 17 4.19 : 17

Q:44 The ratio of the radii of two cones is 5 : 6 and their volumes are in the ratio 8 : 9. The ratio of their heights is:

SSC CGL Tier II 16th Nov 2020

1.32 : 25 2.25 : 32

3.27 : 20 4.20 : 27

Q:45 Study the pie - chart and answer the option

Break up (degree wise) of students in terms of specialization in different areas (A,B,C,D & E) In an MBA Program

If the ratio of male and female students specializing in B is 4 : 3 and that of male and female students specializing in D is 8 : 7, then the number of female students in D is what percent less than the number of male students in B (correct to one decimal place)?

SSC CGL Tier II 16th Nov 2020

1.41.7 2.40.2 3.55.8 4.71.4

Q:46 The radii of two cylinders are in the ratio 3 : 4 and their heights are in the ratio 8 : 5. The ratio of their volumes is equal to:

SSC CGL Tier II 18th Nov 2020

1.9 : 10 2.8 : 9

3.9 : 11 4.7 : 10

Q:47 The curved surface area of a cylinder is five times the area of its base. Find the ratio of the radius and height of the cylinder.

SSC CGL Tier II 18th Nov 2020

1.2 : 3 2.3 : 5 3.2 : 5 4.3 : 4

Q:48 The sum of three numbers is 280. If the ratio between the first and second numbers is 2 : 3 and the ratio between second and third numbers is 4 : 5, then find the second number.

SSC CGL Tier II 18th Nov 2020

1.80 2.90 3.86 4.96

Q:49 The ratio of boys and girls in a school is 27 : 23. If the difference between the number of boys and girls is 200, then find the number of boys.

SSC CGL Tier II 18th Nov 2020

1.1350 2.1250

3.1300 4.1200

Q:50 If $X : Y = 13 : 12$ and $X - Y = 2$, then what is the value of $2X + 3Y$?

SSC MTS Tier I 6th Aug 2019 Shift 3

1.144 2.124 3.120 4.136

Q:51 The sum of two numbers is 77 and their ratio is 6 : 5. What is their difference?

SSC MTS Tier I 6th Aug 2019 Shift 2

1.4 2.6 3.7 4.5

Q:52 A sum of Rs. 4095 is divided between A, B, C and D such that the ratio of the shares of A and B is 1 : 3, that of B and C is 2 : 5 and that of C and D is 2 : 3. What is the difference (in Rs.) between the shares of B and D?

SSC MTS Tier I 6th Oct 2021 Shift 2

1.1440 2.1485

3.1530 4.1845

Ratios and Algebra

Q:53 In a library, the ratio of the number of mathematics books to that of physics books, is the same as the ratio of the number of the physics books to that of chemistry books. If there are 144 mathematics books and 100 chemistry books, then the ratio of the total no of mathematics and physics books to the total number of chemistry and physics is:

SSC MTS Tier I 5th Oct 2021 Shift 3

1.3 : 2 2.6 : 5

3.5 : 4 4.4 : 3

Q:54 Suman divided a certain sum between her three daughters in the ratio 2 : 3 : 4. Had she divided the sum in the ratio (12:13:14), the daughter who got the least share earlier, would have got Rs. 3500 more. The sum was:

SSC MTS Tier I 5th Oct 2021 Shift 2

1.Rs. 14000 2.Rs. 14500

3.Rs. 13750 4.Rs. 14625

Q:55 The ratio of two numbers is 3:1 and their sum is 72. Find the difference between the numbers?

SSC MTS Tier I 5th Oct 2021 Shift 1

A. 24 B. 36 C. 32 D. 28

1.A 2.C 3.B 4.D

Q:56 By mistake, instead of dividing 702rs among Ram, Ramesh, and Naresh in the ratio (13) : (14) : (16), it was divided in the ratio of 3 : 4 : 6. Who gained the most and by how much?

SSC CGL Tier I 2nd Dec 2022 Shift 1

1.Ram ₹158 2.Ramesh ₹158

3.Naresh ₹168 4.Ram ₹168

Q:57 In a class of students, the first student has 2 toffees, second has 4 toffees, third has 6 toffees and so on. If the number of students in the class is 25, then the total number of toffees are divisible by _____.

SSC CGL Tier I 2nd Dec 2022 Shift 2

1.5 and 7 2.5 and 13

3.11 and 13 4.7 and 11

Q:58 The number of books on Mathematics, Physics and Chemistry in a University library is in the ratio 8 : 5 : 9. There is a proposal to increase these books by 10%, 5% and 5% respectively. What will be the ratio of the number of books after increment?

SSC CGL Tier I 2nd Dec 2022 Shift 4

1.212 : 117 : 47 2.37 : 47 : 83

3.176 : 105 : 189 4.189 : 115 : 117

Q:59 The tax on the salary of C is $\frac{1}{4}$ of the salary and savings are $\frac{1}{3}$ of the salary. The ratio of the expenditures to the savings is _____.

SSC CGL Tier I 3rd Dec 2022 Shift 4

1.4 : 5 2.4 : 3 3.5 : 4 4.3 : 4

Q:60 Two numbers are in the ratio of 5 : 7. If 6 be added to each, the ratio becomes 3 : 4. Find the numbers.

SSC CGL Tier I 5th Dec 2022 Shift 4

1.30, 42 2.55, 88

3.10, 16 4.25, 40

Q:61 The sum of three numbers is 98. If the ratio of the first to the second is 2 : 3 and that of the second to the third is 5 : 8, then the third number is:

SSC CGL Tier I 5th Dec 2022 Shift 3

1.20 2.48 3.49 4.30

Q:62 A, B and C divide an amount of Rs 10,500 amongst themselves in the ratio 5 : 7 : 9, respectively. If each one gets Rs 500 more, then what will be the ratio of the amounts with A, B and C?

SSC CGL Tier I 20th Apr 2022 Shift 2

1.5 : 7 : 9 2.5 : 6 : 7

3.3 : 4 : 5 4.7 : 9 : 11

Q:63 The positive numbers are in the ratio 2 : 3 : 4. The sum of their squares is 2349. The average of the first two numbers is:

SSC MTS Tier I 6th Oct 2021 Shift 1

1.27.5 2.22.5 3.36 4.18

Q:64 A sum of Rs. 6342 is divided amongst A, B, C, and D in the ratio 3 : 4 : 8 : 6. What is the difference between the shares of B and D?

SSC CGL Tier I 18th Aug 2021 Shift 2

1.Rs. 906 2.Rs. 1510

3.Rs. 302 4.Rs. 604

Q:65 The ratio of two numbers A and B is 5 : 8. If 5 is added to each of A and B, then the ratio becomes 2 : 3. The difference in A and B is:

SSC CGL Tier I 13th Aug 2021 Shift 2

1.15 2.20 3.12 4.10

Q:66 Two numbers are in the ratio 2 : 3. If 5 is subtracted from the first number and six is added to the second number, then the ratio becomes 5 : 12. What would the ratio become when eight is added to each number?

SSC CGL Tier I 20th Aug 2021 Shift 3

1.19 : 14 2.14 : 19

3.11 : 14 4.14 : 11

Q:67 Rs. 820 is divided among 6 men 8 women and 12 boys in such a way that every women gets an amount equal to that received by one man and one boy combined and that every man gets one and a half times the amount received by a boy. What is the total amount received by 8 women?

SSC CGL Tier I 6th Jun 2019 Shift 2

1.Rs. 380 2.Rs. 240

3.Rs. 300 4.Rs. 400

Q:68 If $a : b = 5 : 7$, then $(5a - 3b) : (4a - 2b)$ is equal to:

SSC CGL Tier I 6th Jun 2019 Shift 1

1.3 : 2 2.4 : 3 3.5 : 4 4.2 : 3

Q:69 If $x : y = 1 : 2$, find the value of $(2x + 4y) : (x + 4y)$.

SSC CGL Tier I 6th Jun 2019 Shift 3

1.10:9 2.8:7 3.5:4 4.9:8

Q:70 If 9685 is divided into three parts in such a way that one - fourth of the first part, one - third of the second part and one-dicth of the third part are equal, then what is the first part?

SSC CHSL Tier I 15th Apr 2021 Shift 2

1.2980 2.2253

3.4470 4.2235

Q:71 If $a : b = 5 : 7$, $b : c = 8 : 15$, then find the value of $8c : 5a$.

SSC CHSL Tier I 6th Aug 2021 Shift 1

1.8 : 21 2.21 : 5

3.176 : 65 4.24 : 5

Q:72 If $4p = 6q = 9r$, then $p : q : r$ is equal to:

SSC CHSL Tier I 13th Apr 2021 Shift 3

1.4 : 6 : 9 2.15 : 13 : 10

3.9 : 6 : 4 4.16 : 36 : 81

Q:73 Three numbers are in the ratio $\frac{1}{4}$, $\frac{5}{9}$, $\frac{7}{12}$. The difference between the greatest and the smallest number is 180. Find the sum of all the three numbers.

SSC CHSL Tier I 12th Apr 2021 Shift 3

1.500 2.650 3.750 4.800

Q:74 Two numbers are in the ratio of 9 : 7. If the larger number is 56 more than one-seventh of the smaller, then what is the sum of the two numbers?

SSC CHSL Tier I 6th Aug 2021 Shift 2

1.96 2.130 3.112 4.72

Q:75 Two numbers are ratio 3 : 4. On increasing each of them by 30, the ratio becomes 9 : 10. The sum of the numbers is:

SSC CHSL Tier I 8th Jul 2019 Shift 1

1.25 2.32 3.30 4.35

Q:76 Jane won a lottery and gets $\frac{1}{3}$ rd of the winning amount and donates Rs.6000 which is $\frac{1}{6}$ th, find how much the lottery was worth.

SSC CHSL Tier I 8th Jul 2019 Shift 2

1.36000 2.18000

3.54000 4.108000

Q:77 Two numbers are in the ratio 5 : 6. When 6 is added to each, the ratio becomes 7 : 8 then the numbers are?

SSC CHSL Tier I 8th Jul 2019 Shift 3

1.10 & 12 2.20 & 24

3.15 & 18 4.5 & 6

Q:78 There are saplings of 361 mango trees and neem trees in a garden. The ratio of the number of a mango trees to that of neem tree saplings is 8 : 11, then how many neem trees saplings are in the garden?

SSC CHSL Tier I 12th Apr 2021 Shift 2

1.209 2.152 3.171 4.57

Q:79 Two numbers are, respectively, 25% and 30% less than a third number. What is the ratio of the first two numbers, in the order mentioned in the previous statement?

SSC CHSL Tier I 12th Apr 2021 Shift 1

1.6 : 5 2.5 : 6

3.14 : 15 4.15 : 14

Q:80 If $p : q$ is $5 : 6$ and $q : r$ is $2 : 5$, then what is $p : q : r$?

SSC MTS Tier I 15th Jul 2022 Shift 2

1. $15 : 6 : 5$ 2. $5 : 6 : 5$

3. $5 : 6 : 15$ 4. $5 : 2 : 6$

Q:81 What is the ratio of 84 pens to 108 pens?

SSC MTS Tier I 15th Jul 2022 Shift 2

1. $6 : 11$ 2. $7 : 12$

3. $5 : 7$ 4. $7 : 9$

Q:82 If ₹39,500 is divided into three parts in the ratio $24 : 15 : 40$, then what is the value of the third part, in the given order?

SSC MTS Tier I 15th Jul 2022 Shift 3

1. ₹18,000 2. ₹12,000

3. ₹7,500 4. ₹20,000

Q:83 If $a : b = b : c$, then what is the value of $a^6 : b^6$?

SSC MTS Tier I 15th Jul 2022 Shift 3

1. $a^3 : b^3$ 2. $b^3 : ac$

3. $a^3 : c^3$ 4. $a^2 : b^2$

Q:84 In a class of 60 students, the ratio of girls to boys is $2 : 3$. If 20 more girls join the class, then what is the new number of girls in the class?

SSC MTS Tier I 18th Jul 2022 Shift 1

1. 45 2. 44 3. 30 4. 56

Q:85 The ratio of A and B in an alloy is 2 : 5. If the alloy is made of only A and B, how much amount of B will be there in 210 kg of that alloy?

SSC MTS Tier I 18th Jul 2022 Shift 2

1.150 kg 2.135 kg

3.60 kg 4.180 kg

Q:86 A man divides ₹1,100 among three kids in the ratio $\frac{1}{2}$: $\frac{2}{5}$: $\frac{3}{4}$. What is the share of the kid who got the maximum share?

SSC MTS Tier I 19th Jul 2022 Shift 1

1. ₹500 2. ₹600

3. ₹750 4. ₹800

Q:87 In a town, 80% of the population are adults, of which the population of men and women is in the ratio 2 : 3. If the number of adult men is 1.2 lakh, what is the total population of the town?

SSC MTS Tier I 19th Jul 2022 Shift 2

1.2 lakh 2.3 lakh

3.1.5 lakh 4.3.75 lakh

Q:88 The ratio of three numbers is (14:56:13) respectively. If the sum of the number is 68, what is the value of (13) of the first number?

SSC MTS Tier I 12th Oct 2021 Shift 3

1.6 2.8 3.2 4.4

Q:89 If $(6x + 5y) : (6x - 5y) = 11 : 5$ then what is $x : y$?

SSC MTS Tier I 19th Jul 2022 Shift 3

1.20 : 9 2.12 : 5

3.15 : 8 4.18 : 11

Q:90 There are a total of 60 students in a class and the ratio of the number of boys to that of the girls is 4 : 1, respectively. If 22 of the boys from this class are vegetarians, then find the number of non-vegetarian boys from the same class .

SSC MTS Tier I 19th Jul 2022 Shift 3

1.26 2.18 3.38 4.28

Q:91 The ratio of the quantities imported of steel and iron in 2018 was 3 : 2 and in 2020 it was 1 : 1. The ratio of the quantities imported of steel in 2018 and 2020 was 4 : 3. What was the ratio of the quantities imported of iron in 2018 and 2020?

SSC MTS Tier I 20th Jul 2022 Shift 1

1.11 : 12 2.7 : 5

3.8 : 9 4.7 : 9

Q:92 $P : Q = 4 : 5$ and R is 15% less than Q. If $Q = 300$, then what is the sum of P and R?

SSC MTS Tier I 20th Jul 2022 Shift 1

1.515 2.485 3.495 4.475

Q:93 If $A : B = 3 : 4$ and $B : C = 1 : 5$, then what is $A : C$?

SSC MTS Tier I 20th Jul 2022 Shift 2

1.3 : 2 2.3 : 4

3.1 : 4 4.3 : 5

Q:94 If $3a : 2b = (6a - 3) : (3b - 2)$ and $a = b - 1$, then what will be the value of $12ab$?

SSC MTS Tier I 20th Jul 2022 Shift 3

1.28 2.24 3.30 4.32

Q:95 ₹2,400 is divided among three kids in the ratio of 2 : 3 : 3. Find the lowest share.

SSC MTS Tier I 21st Jul 2022 Shift 1

1. ₹500 2. ₹600

3. ₹700 4. ₹400

Q:96 Two numbers are, respectively, 20% and 10% more than a third number. The ratio of the first number to the second, is:

SSC MTS Tier I 21st Jul 2022 Shift 2

1. 11 : 12 2. 12 : 12

3. 13 : 11 4. 12 : 11

Q:97 Three numbers are in the ratio of 2 : 3 : 5. The sum of these three numbers is 80. What is the product of these three numbers?

SSC MTS Tier I 21st Jul 2022 Shift 2

1. 13200 2. 15300

3. 14400 4. 15360

Q:98 Two numbers are in the ratio 3 : 5. If 4 is subtracted from each of these two numbers, the new numbers then are in the ratio 4 : 7. Find the smaller of the two original numbers.

SSC MTS Tier I 21st Jul 2022 Shift 3

1. 2 2. 18 3. 4 4. 36

Q:99 If $P = \frac{5}{6}Q$ and $Q = \frac{4}{5}R$, what is $2P : 3Q : 4R$?

SSC MTS Tier I 21st Jul 2022 Shift 3

1. 5 : 9 : 15 2. 9 : 5 : 6

3. 8 : 9 : 16 4. 6 : 8 : 15

Q:100 Three numbers are in the ratio of 1 : 2 : 3. The product of the three numbers is 1296. What is the sum of the three numbers?

SSC MTS Tier I 25th Jul 2022 Shift 1

1.36 2.30 3.72 4.24