

CA FOUNDATION

CODE : SS12



Shivani
Sharma

Que. If $p/q = -2/3$, then the value of $2p + q/2p - q$ is:

- (a) 1
- (b) $-1/7$
- (c) $1/7$
- (d) 7

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Sharma

Que. Fourth proportional to x , $2x$, $(x + 1)$ is:

- (a) $(x + 2)$
- (b) $(x - 2)$
- (c) $(2x + 2)$
- (d) $(2x - 2)$

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Shivani
Sharma

Que. If $x = 3^{1/3} + 3^{-1/3}$, then find the value of $3x^3 - 9x$

(a) 3

(b) 9

(c) 12

(d) 10

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Shivani
Sharma

Que. Find the value of : $[1 - \{1 - (1 - x^2)^{-1}\}^{-1}]^{-1/2}$

- (a) $1/x$
- (b) x
- (c) 1
- (d) None of these.

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Sharma

Que. $\log (m + n) = \log m + \log n$, m can be expressed as :

(a) $m = \frac{n}{n-1}$

(b) $m = \frac{n}{n+1}$

(c) $m = \frac{n+1}{n}$

(d) $m = \frac{n+1}{n-1}$

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Shivani
Sharma

Que. $\log_4 (x^2 + x) - \log_4 (x + 1) = 2$. Find x .

- (a) 16
- (b) 0
- (c) -1
- (d) None of these.

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Que. $\frac{2^n + 2^{n-1}}{2^{n+1} - 2^n}$

- (a) $\frac{1}{2}$
- (b) -3
- (c) $\frac{2}{3}$
- (d) $\frac{1}{3}$



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Shivani
Sharma

Que. If $2^x \times 3^y \times 5^z = 360$ then what is the value of x, y, z ?

(a) 3, 2, 1

(b) 1, 2, 3

(c) 2, 3, 1

(d) 1, 3, 2

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Shivani
Sharma

Que. Find the value of $[\log_{10} \sqrt{25} - \log_{10} (2)^3 + \log_{10} (4)^2]^x$

- (a) x
- (b) 10
- (c) 1
- (d) None of these

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Shivani
Sharma

Que. If $\log_a b + \log_a c = 0$ then

- (a) $b = c$
- (b) $b = -c$
- (c) $b = c = 1$
- (d) b and c are reciprocals.

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Shivani
Sharma

Que. What must be added to each term of the ratio $49 : 68$, so that it becomes $3 : 4$?

- (a) 3
- (b) 5
- (c) 8
- (d) 9

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Sharma

Que. Solve: $\left(\frac{\log_{10} x - 3}{2}\right) + \left(\frac{11 - \log_{10} x}{3}\right) = 2$

- (a) 10^{-1}
- (b) 10^2
- (c) 10
- (d) 10^3

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Sharma

Que. If $A : B = 2 : 5$, then $(10A + 3B) : (5A : 2B)$ is equal to:

- (a) 7 : 4
- (b) 7 : 3
- (c) 6 : 5
- (d) 7 : 9

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Shivani
Sharma

Que. In a film shooting, A and B received money in a certain ratio and B and C also received the money in the same ratio. If A gets ₹1,60,000 and C gets ₹2,50,000. Find the amount received by B ?

- (a) ₹ 2,00,000
- (b) ₹2,50,000
- (c) ₹1,00,000
- (d) ₹1,50,000

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Sharma

Que. The ratio Compounded of and sub-duplicate of "a": 9 is 8 : 15.
Then Value of "a" is:

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

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Sharma

Que. If $\log_2 x + \log_4 x = 6$, then the Value of x is :

- (a) 16
- (b) 32
- (c) 64
- (d) 128

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Sharma

Que. If X Varies inversely as square of Y and given that $Y = 2$ for $X = 1$, then the Value of X for $Y = 6$ will be:

- (a) 3
- (b) 9
- (c) $1/3$
- (d) $1/9$

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Shivani
Sharma

Que. The value of $\frac{(3^{n+1}+3^n)}{(3^{n+3}-3^{n+1})}$ is equal to:

- (a) $1/5$
- (b) $1/6$
- (c) $1/4$
- (d) $1/9$

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Sharma

Que. If $\log xy = 100$ and $\log_2 x = 10$, then the value of 'y' is:

- (a) 2^{10}
- (b) 2^{100}
- (c) 2^{1000}
- (d) $2^{10,000}$

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Shivani
Sharma

Que. Which of the numbers are not in proportion?

(a) 6, 8, 5, 7

(b) 7, 3, 14, 6

(c) 18, 27, 12, 18

(d) 8, 6, 12, 9

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Shivani
Sharma

Que. Find the value of x , if $x(x)^{1/3} = (x^{1/2})^x$

- (a) 3
- (b) 4
- (c) 2
- (d) 6

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Sharma

Que. Find two numbers such that mean proportional between them is 18 and third proportional between them is 144

- (a) 9,36
- (b) 8,32
- (c) 7,28
- (d) 6,24

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Sharma

Que. For what value of x , the equation $(\log_{\sqrt{x}} 2)^2 = \log_x 2$ is true?

- (a) 16
- (b) 32
- (c) 8
- (d) 4

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Sharma

Que. The mean proportional between 24 and 54 is :

- (a) 33
- (b) 34
- (c) 35
- (d) 36

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Shivani
Sharma

Que. The triplicate ratio of 4 : 5 is:

- (a) 125 : 64
- (b) 16 : 25
- (c) 64 : 125
- (d) 120 : 46

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Que. If $\sqrt[3]{a} + 3\sqrt{b} + 3\sqrt{c}$ then the value of $\left(\frac{a+b+c}{3}\right)^3 = 0$

- (a) abc
- (b) $9abc$
- (c) $1/abc$
- (d) $1/9abc$



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Sharma

Que. Find three numbers in the ratio $1 : 2 : 3$, so that the sum of their squares is equal to 504

(a) 6, 12, 18

(b) 3, 6, 9

(c) 4, 8, 12

(d) 5, 10, 15

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Sharma

Que. The value of $\log_4 9 \cdot \log_3 2$ is

- (a) 3
- (b) 9
- (c) 2
- (d) 1

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Shivani
Sharma

Que. The value of $(\log_y x \cdot \log_z y \cdot \log_x z)^3$ is

- (a) 0
- (b) -1
- (c) 1
- (d) 3

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Sharma

Que. Divide 80 into two parts so that their product is maximum, then the numbers are:

(a) 25, 55

(b) 35, 45

(c) 40, 40

(d) 15, 65

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Shivani
Sharma

Que. If $x : y = 2 : 3$, then $(5x + 2y) : (3x - y) = \text{-----}$

- (a) 19 : 3
- (b) 16 : 3
- (c) 7 : 2
- (d) 7 : 3

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Shivani
Sharma

Que. The value of $\left(\frac{y^a}{y^b}\right)^{a^2+ab+b^2} \times \left(\frac{y^b}{y^c}\right)^{b^2+bc+c^2} \times \left(\frac{y^c}{y^a}\right)^{c^2+ac+a^2}$ is equal to _____.

- (a) y
- (b) -1
- (c) 1
- (d) None of these

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Shivani
Sharma

Que. If the salary of P is lower than that of Q and the salary of R is higher than that of Q, the ratio of the salary of R and P will be:

- (a) 5 : 8
- (b) 8 : 5
- (c) 5 : 3
- (d) 3 : 5

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Shivani
Sharma

Que. If $x^2 + y^2 = 7xy$, then $\log \frac{1}{3}(x + y) = \underline{\hspace{2cm}}$.

- (a) $(\log x + \log y)$
- (b) $\frac{1}{2} (\log x + \log y)$
- (c) $\frac{1}{3} (\log x / \log y)$
- (d) $\frac{1}{3} (\log x + \log y)$

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Shivani
Sharma

Que. A person has assets worth ₹1,48,200. He wish to divide it amongst his wife, son and daughter in the ratio 3 : 2 : 1 respectively. From this assets, the share of his son will be:

- (a) ₹24,700
- (b) ₹49,400
- (c) ₹74,100
- (d) ₹ 37,050

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Shivani
Sharma

Que. If $x = \log_{24} 12$, $y = \log_{36} 24$ and $z = \log_{48} 36$, then $xyz + 1 = \underline{\hspace{2cm}}$.

- (a) $2xy$
- (b) $2xz$
- (c) $2yz$
- (d) 2

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Shivani
Sharma

Que. If $\log x = a + b$, $\log y = a - b$ then the value of $\log 10x/y^2 = \text{-----}$.

(a) $1 - a + 3b$

(b) $a - 1 + 3b$

(c) $a + 3b + 1$

(d) $1 - b + 3a$

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Sharma

Que. If $x = 1 + \log_p qr$, $y = 1 + \log_q rp$ then $z = 1 + \log_r pq$ then the value of

$$\frac{1}{x} + \frac{1}{y} + \frac{1}{z} = \underline{\hspace{2cm}}$$

- (a) 0
- (b) 1
- (c) -1
- (d) 3

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Shivani
Sharma

Que. For three months, the salary of a person are in the ratio 2 : 4 : 5. If the difference between the product of salaries of the first two months and last two months is ₹4,80,00,000; then the salary of the person for the second month will be:

- (a) ₹4,000
- (b) ₹6,000
- (c) ₹8,000
- (d) ₹12,000

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Sharma

Que. If $p^x = q$, $q^y = r$ and $r^2 = p^6$, then the value of xyz will be:

- (a) 0
- (b) 1
- (c) 3
- (d) 6

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Shivani
Sharma

Que. If $\log x = m + n$ and $y = m - n$, then $\log (10x/y^2) =$

- (a) $3n - m + 1$
- (b) $3m - n + 1$
- (c) $3n + n + 1$
- (d) $3m + n + 1$

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Shivani
Sharma

Que. If $15(2p^2 - q^2) = 7pq$, where p and q are positive, then $p : q$ will be:

- (a) 5 : 6
- (b) 5 : 7
- (c) 3 : 5
- (d) 8 : 3

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Shivani
Sharma

Que. The ratio of third proportion of 12,30 to the mean proportion of 9,25 is:

- (a) 2 : 1
- (b) 5 : 1
- (c) 7 : 15
- (d) 3 : 5

MATHS

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Shivani
Sharma

Que. The value of $\log_5 3 \times \log_3 4 \times \log_2 5$.

- (a) 0
- (b) 1
- (c) 2
- (d) 1/2

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Shivani
Sharma

Que. What number must be added to each of the numbers 10, 12, 28, 38 to make the numbers is proportion?

- (a) 2
- (b) 4
- (c) 8
- (d) None of these

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Shivani
Sharma

Que. The value of $\frac{2^n + 2^{n-1}}{2^{n+1} - 2^n}$ is

- (a) $1/2$
- (b) $3/2$
- (c) $3/2$
- (d) 2

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Shivani
Sharma

Que. The integral part of a logarithm is called _____ and the decimal part of a logarithm is called _____.

- (a) Mantissa, Characteristic
- (b) Characteristic, Mantissa
- (c) Whole, Decimal
- (d) None of these.

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Shivani
Sharma

Que. The value of $\left[\frac{x^2 - (y-z)^2}{(x+z)^2 - y^2} + \frac{y^2 - (x-z)^2}{(x+y)^2 - z^2} + \frac{z^2 - (x-y)^2}{(y+z)^2 - x^2} \right]$ is

(a) 0

(b) 1

(c) -1

(d) ∞

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Shivani
Sharma

Que. X, Y, Z together starts a business. If X invests 3 times as much as Y invests and Y invests two third of what Z invests, then the ratio of capitals of X, Y, Z is:

- (a) 3 : 9 : 2
- (b) 6 : 3 : 2
- (c) 3 : 6 : 2
- (d) 6 : 2 : 3

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Shivani
Sharma

Que. If $\log_4 (x^2 + x) - \log_4 (x + 1) = 2$, then the value of X is

(a) 2

(b) 3

(c) 16

(d) 8

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Shivani
Sharma

Que. If $3^x = 5^y = 75^z$, then

- (a) $x + y - z = 0$
- (b) $2/x + 1/y = 1/z$
- (c) $1/x + 2/y = 1/z$
- (d) $2/x + 1/z = 1/y$

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Shivani
Sharma

Que. If $\log 2 = 0.3010$ and $\log 3 = 0.4771$, then the value of $\log 24$ is:

- (a) 1.0791
- (b) 1.7323
- (c) 1.3801
- (d) 1.8301

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Shivani
Sharma

Que. If $abc = 2$, then the value of

$$\frac{1}{1+a+2b^{-1}} + \frac{1}{1+\frac{1}{2}b+c^{-1}} + \frac{1}{1+c+a^{-1}}$$

- (a) 1
- (b) 2
- (c) 3
- (d) 1/2

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Sharma

Que. There are total 23 coins of ₹ 1 , ₹ 2 and ₹ 5 in a bag. If their value is ₹43 and the ratio of coins of ₹1 and ₹2 is 3 : 2. Then the number of coins of ₹ 1 is:

- (a) 12
- (b) 5
- (c) 10
- (d) 14

MATHS

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Shivani
Sharma

Que. If $a : b = 2 : 3$, $b : c = 4 : 5$ and $c : d = 6 : 7$, then $a : d$ is:

(a) 24 : 35

(b) 8 : 15

(c) 16 : 35

(d) 7 : 15

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Shivani
Sharma

Que. The value of $\log (1^3 + 2^3 + 3^3 + \dots + n^3)$ is equal to:

- (a) $3 \log 1 + 3 \log 2 + \dots + 3 \log n$
- (b) $2 \log n + 2 \log (n + 1) - 2 \log 2$
- (c) $\log n + \log (n + 1) + \log (2n + 1) - \log 6$
- (d) 1

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Shivani
Sharma

Que. If $a = \frac{\sqrt{6}+\sqrt{5}}{\sqrt{6}-\sqrt{5}}$ and $b = \frac{\sqrt{6}-\sqrt{5}}{\sqrt{6}+\sqrt{5}}$ then the value of $\frac{1}{a^2} + \frac{1}{b^2}$ is equal to:

- (a) 480
- (b) 482
- (c) 484
- (d) 486

MATHS

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Shivani
Sharma

Que. The mean proportional between 24 and 54 is:

- (a) 33
- (b) 34
- (c) 35
- (d) 36

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Shivani
Sharma

Que. The value of $\log_4 9 \cdot \log_3 2$ is:

- (a) 3
- (b) 2
- (c) 9
- (d) 1

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Que. $\frac{2^n + 2^{n-1}}{2^{n+1} - 2^n}$

- (a) $1/2$
- (b) $3/2$
- (c) $2/3$
- (d) $1/3$



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Shivani
Sharma

Que. $\frac{3x-2}{5x+6}$ is the duplicate ratio of $2/3$ then find the value of x :

- (a) 2
- (b) 6
- (c) 5
- (d) 9

MATHS

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Shivani
Sharma

Que. If $2^{x^2} = 3^{y^2} = 12^{z^2}$ then

(a) $\frac{1}{x^2} + \frac{1}{y^2} = \frac{1}{z^2}$

(b) $\frac{1}{x^2} + \frac{2}{y^2} = \frac{1}{z^2}$

(c) $\frac{2}{x^2} + \frac{1}{y^2} = \frac{1}{z^2}$

(d) None of the above

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Shivani
Sharma

Que. $\log_{2\sqrt{2}} (512) : \log_{3\sqrt{2}} 324 =$

- (a) 128 : 81
- (b) 2 : 3
- (c) 3 : 2
- (d) None of the above

MATHS

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Shivani
Sharma

Que. If $P = x^{1/3} + x^{-1/3}$ then $P^3 = 3P =$

(a) 3

(b) $\frac{1}{2} \left(x + \frac{1}{x} \right)$

(c) $\left(x + \frac{1}{x} \right)$

(d) $2 \left(x + \frac{1}{x} \right)$

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Shivani
Sharma

Que. The ratio of two numbers are 3 : 4. The difference of their squares is 28 Greater no. is:

(a) 8

(b) 12

(c) 24

(d) 64

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Shivani
Sharma

Que. The price of scooter and moped are in the ratio 7 : 9. The price of moped is ₹ 1,600 more than that of scooter. Then the price of moped is:

- (a) ₹ 7,200
- (b) ₹ 5,600
- (c) ₹ 800
- (d) ₹ 700

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Shivani
Sharma

Que. $\log_{0.01} 10,000 = ?$

(a) 2

(b) -2

(c) 4

(d) -4

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Shivani
Sharma

Que. Value of $\left[9^{n+\frac{1}{4}} \cdot \frac{\sqrt{3 \cdot 3^n}}{3 \cdot \sqrt{3^{-n}}}\right]^{\frac{1}{n}}$

- (a) 9
- (b) 27
- (c) 81
- (d) 3

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Que. If $x = \sqrt{3} + \frac{1}{\sqrt{3}}$ then $\left(x - \frac{\sqrt{126}}{\sqrt{42}}\right) \left(x - \frac{1}{x - \frac{2\sqrt{3}}{3}}\right) = ?$

- (a) 5/6
- (b) 6/5
- (c) 2/3
- (d) -3/5



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Shivani
Sharma

Que. If $a : b = 3 : 7$, then $3a + 2b : 4a + 5b = ?$

(a) 23 : 47

(b) 27 : 43

(c) 24 : 51

(d) 29 : 53

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Shivani
Sharma

Que. If $\log_a \sqrt{3} = 1/6$, find the value of 'a':

(a) 9

(b) 81

(c) 27

(d) 3

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Shivani
Sharma

Que. $\log 9 + \log 5$ is expressed as:

- (a) $\log 4$
- (b) $\log 9/5$
- (c) $\log 5/9$
- (d) $\log 45$

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Shivani
Sharma

Que. If $a : b = 9 : 4$, then

$$\sqrt{\frac{a}{b}} + \sqrt{\frac{b}{a}} = ?$$

- (a) $3/2$
- (b) $2/3$
- (c) $6/13$
- (d) $13/6$

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Shivani
Sharma

Que. The ratio of number of boys and the number of girls in a school is found to be 15 : 32. How many boys and equal number of girls should be added to bring the ratio to $\frac{2}{3}$?

- (a) 19
- (b) 20
- (c) 23
- (d) 27

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Shivani
Sharma

Que. Find the value of a from the following:

$$\sqrt{(9)^{-5}} \times \sqrt{(3)^{-7}} - \sqrt{(3)} - a$$

(a) 11

(b) 13

(c) 15

(d) 17

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Shivani
Sharma

Que. Find the value of $\frac{3t^{-1}}{t^{-1/3}}$

(a) $\frac{3}{t^{2/3}}$

(b) $\frac{3}{t^{3/2}}$

(c) $\frac{3}{t^{1/3}}$

(d) $\frac{3}{t^2}$

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Shivani
Sharma

Que. If $\log_a(ab) = x$, then $\log_b(ab)$ is

- (a) $1/x$
- (b) $x/1+x$
- (c) $x/x-1$
- (d) None of these

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Shivani
Sharma

Que. In a certain business A and B received profit in a certain ratio B and C received profits in the same ratio. If A gets ₹ 1600 and C gets ₹ 2500 then how much does B get?

- (a) ₹ 2,000
- (b) ₹ 2,500
- (c) ₹ 1,000
- (d) ₹ 1,500

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Shivani
Sharma

Que. The ratio of two quantities is 15 : 17. If the consequent of its inverse ratio is 15 , then the antecedent is;

- (a) 15
- (b) $\sqrt{15}$
- (c) 17
- (d) 14

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Shivani
Sharma

Que. The salaries of A, B and C are in the ratio 2 : 3 : 5. If increments of 15%, 10% and 20% are allowed respectively to their salary, then what will be the new ratio of their salaries?

(a) 23 : 33 : 60

(b) 33 : 23 : 60

(c) 23 : 60 : 33

(d) 33 : 60 : 23

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Shivani
Sharma

Que. If $A : B = 5 : 3$, $B : C = 6 : 7$ and $C : D = 14 : 9$ then the value of $A : B : C : D$ is:

- (a) $20 : 14 : 12 : 9$
- (b) $20 : 9 : 12 : 14$
- (c) $20 : 9 : 14 : 12$
- (d) $20 : 12 : 14 : 9$

MATHS

CA FOUNDATION

CODE : SS12



Shivani
Sharma

Que. A vessel contained a solution of acid and water in which water was 64%. Four litres of the solution were taken out of the vessel and the same quantity of water was added. If the resulting solution contains 30% acid, the quantity (in litres) of the solution, in the beginning in the vessel, was

- (a) 12
- (b) 36
- (c) 24
- (d) 2

MATHS

CA FOUNDATION

CODE : SS12



Shivani
Sharma

Que. If $xy + yz + zx = -1$ then the value of $\left(\frac{x+y}{1+xy} + \frac{z+y}{1+zy} + \frac{x+z}{1+zx}\right)$ is:

- (a) xyz
- (b) $-1/yz$
- (c) $1/xyz$
- (d) $1/x+y+z$

MATHS

CA FOUNDATION

CODE : SS12



Shivani
Sharma

Que. If $\log_4 x + \log_{16} x + \log_{64} x + \log_{256} x = \frac{25}{6}$ then the value of x is

- (a) 64
- (b) 4
- (c) 16
- (d) 2

MATHS

CA FOUNDATION

CODE : SS12



Shivani
Sharma

Que. Let $a = (\sqrt{5} + \sqrt{3})/(\sqrt{5} - \sqrt{3})$ and $b = (\sqrt{5} - \sqrt{3})/(\sqrt{5} + \sqrt{3})$.

What is the value of $a^2 + b^2$?

- (a) 64
- (b) 62
- (c) 60
- (d) 254

MATHS

CA FOUNDATION

CODE : SS12



Shivani
Sharma

Que. Incomes of R and S are in the ratio 7 : 9 and their expenditures are in the ratio 4 : 5. Their total expenditure is equal to income of R. What is the ratio of their savings?

(a) 23 : 36

(b) 28 : 41

(c) 31 : 43

(d) 35 : 46

MATHS

CA FOUNDATION

CODE : SS12



Shivani
Sharma

Que. In a department, the number of males and females are in the ratio 3 : 2. If 2 males and 5 females join the department, then the ratio becomes 1 : 1. Initially, the number of females in the department is

- (a) 9
- (b) 6
- (c) 3
- (d) 8

MATHS

CA FOUNDATION

CODE : SS12



Shivani
Sharma

Que. If, $\left(\frac{3a}{2b}\right)^{2x-4} = \left(\frac{2b}{3a}\right)^{2x-4}$, for some a and b, then the value of x is

- (a) 8
- (b) 6
- (c) 4
- (d) 2

MATHS

CA FOUNDATION

CODE : SS12



Shivani
Sharma

Que. The value of $\left(1 - \sqrt[3]{0.027} \left(\frac{5}{6}\right) \left(\frac{1}{2}\right)^2\right)$ is:

- (a) 11/16
- (b) 13/16
- (c) 15/16
- (d) 1

MATHS

CA FOUNDATION

CODE : SS12



Shivani
Sharma

Que. $\log \left(\frac{p^2}{qr} \right) + \log \left(\frac{q^2}{pr} \right) + \log \left(\frac{r^2}{pq} \right)$ is:

- (a) pqr
- (b) 0
- (c) 1
- (d) None of the above

MATHS

CA FOUNDATION

CODE : SS12



Shivani
Sharma

Que. If $\log_{\sqrt{3}} a = 6$, then 'a' will be:

- (a) 27
- (b) 36
- (c) 15
- (d) 1

MATHS

CA FOUNDATION

CODE : SS12



Shivani
Sharma

Que. A box contains 25 paise coins and 10 paise coins and 5 paise coins in ratios 3 : 2 : 1 and total money is ₹40. How many 5 paise coins are there?

- (a) 65
- (b) 55
- (c) 40
- (d) 50

MATHS

CA FOUNDATION

CODE : SS12



Shivani
Sharma

Que. If $x : y = 4 : 6$ and $z : x = 4 : 16$ find Y ?

- (a) 4
- (b) 6
- (c) 16
- (d) 1

MATHS

CA FOUNDATION

CODE : SS12



Shivani
Sharma

Que. If $(\sqrt{3})^{18} = (\sqrt{9})^x$, find x ?

- (a) 18
- (b) 9
- (c) 8
- (d) 19

MATHS

CA FOUNDATION

CODE : SS12



Shivani
Sharma

Que. $\log_{\sqrt{2}} 64$ is equal to:

- (a) 12
- (b) 6
- (c) 1
- (d) 8

MATHS

CA FOUNDATION

CODE : SS12



Shivani
Sharma

Que. If $\log_{10} 2 = y$ and $\log_{10} 3 = x$, then the value of $\log_{10} 15$ is:

- (a) $x - y + 1$
- (b) $x + y + 1$
- (c) $x - y - 1$
- (d) $y - x + 1$

MATHS

CA FOUNDATION

CODE : SS12



Shivani
Sharma

Que. A sum of money is to be distributed among A, B, C, D in the proportion of 5 : 2 : 4 : 3. If C gets ₹1,000 more than D, what is B 's share?

- (a) ₹ 2,000
- (b) ₹1,500
- (c) ₹2,500
- (d) ₹ 1,000

MATHS

CA FOUNDATION

CODE : SS12



Shivani
Sharma

Que. By simplifying $(2a^3 b^4)^5 / (4a^3 b)^2 \times (a^2 b^2)$, the answer will be:

- (a) $4a^2 b^3$
- (b) $4a^6 b^4$
- (c) $4a^{10} b^{10}$
- (d) $4a^{10} b^{20}$

MATHS

CA FOUNDATION

CODE : SS12



Shivani
Sharma

Que. A group of 400 soldiers posted at border area had a provision for 31 days. After 28 days 280 soldiers from this group were called back. Find the number of days for which the remaining ration will be sufficient?

- (a) 3
- (b) 6
- (c) 8
- (d) 10

MATHS

CA FOUNDATION

CODE : SS12



Shivani
Sharma

Que. If $\sqrt[3]{a} + \sqrt[3]{b} + \sqrt[3]{c} = 0$ then the value of $\left(\frac{a+b+c}{3}\right)^3$ is equal to:

- (a) abc
- (b) $9abc$
- (c) $1/abc$
- (d) $1/9abc$

MATHS