10 Oct 2024 Live Classes Schedule

| 8:00AM | 10 OCTOBER 2024 DAILY CURRENT AFFAIRS | RUBY MA'AM |
| 9:00AM | 10 OCTOBER 2024 DAILY DEFENCE UPDATES | DIVYANSHU SIR |

NDA 1 2025 LIVE CLASSES

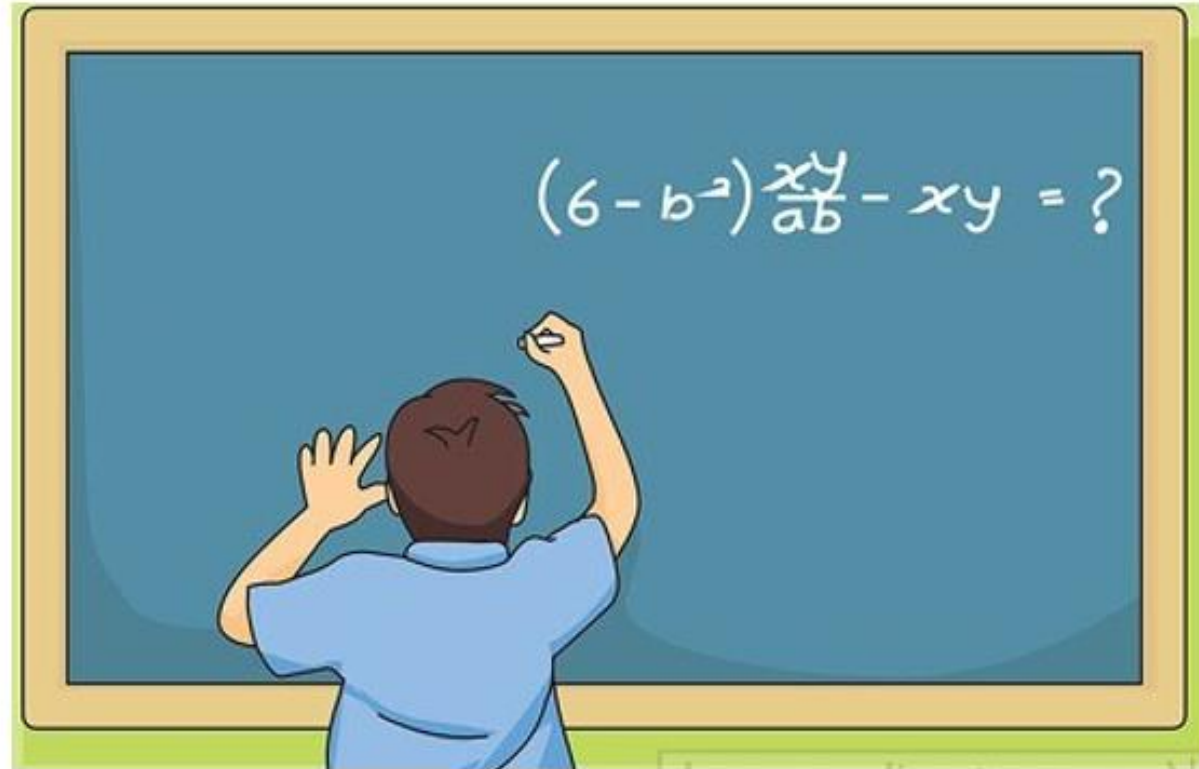| 11:30AM | GK - POLITY - CONSTITUTION | RUBY MA'AM |
| 1:00PM | BIOLOGY - MCQ - CLASS 3 | SHIVANGI MA'AM |
| 4:00PM | MATHS - TRIGONOMETRY - CLASS 3 | NAVJYOTI SIR |

CDS 1 2025 LIVE CLASSES

11:30AM	GK - POLITY - CONSTITUTION	RUBY MA'AM
1:00PM	BIOLOGY - MCQ - CLASS 3	SHIVANGI MA'AM
7:00PM	MATHS - AVERAGE - CLASS 2	NAVJYOTI SIR

AFCAT 1 2025 LIVE CLASSES

| 4:00PM | STATIC GK - GI TAGS | DIVYANSHU SIR |
| 7:00PM | MATHS - AVERAGE - CLASS 2 | NAVJYOTI SIR |

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PRACTISE TIME !

$$(6 - b^2)\frac{xy}{ab} - xy = ?$$

Q) The average age of a board of 8 functional directors in a company is the same as it was 3 years ago, a younger man having been substituted for one of the directors. How much younger was the new man than the director whose place he took.

(a) 24 years

(b) 26 years

(c) 28 years

(d) None of these

Q) The average age of a board of 8 functional directors in a company is the same as it was 3 years ago, a younger man having been substituted for one of the directors. How much younger was the new man than the director whose place he took.

(a)   24 years   (b)   26 years

(c)   28 years   (d)   None of these

Ans: (a)

Q) Nine men went to a hotel. 8 of them spent ₹ 3 each over their meals and the ninth spent Rs 2 more than the average expenditure of all the nine. The total money spent by all of them was

(a) ₹ 26   (b) ₹ 40   (c) ₹ 29.25 (d) ₹ 27

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(a) ₹ 26   (b) ₹ 40   (c) ₹ 29.25 (d) ₹ 27

Ans: (c)

Q) The average of 41 consecutive odd numbers is 49. What is the largest number.

(a) 89   (b) 91   (c) 93   (d) 95

Q) The average of 41 consecutive odd numbers is 49. What is the largest number.

(a) 89   (b) 91   (c) 93   (d) 95

Ans: (a)

Q) The average marks of section A are 65 and that of section B are 70. If the average marks of both the sections combined are 67, then the ratio of number of students of section A to that of section B is

(a) $3 : 2$ (b) $1 : 3$ (c) $3 : 1$ (d) $2 : 3$

Q) The average marks of section A are 65 and that of section B are 70. If the average marks of both the sections combined are 67, then the ratio of number of students of section A to that of section B is

(a) 3 : 2   (b) 1 : 3   (c) 3 : 1   (d) 2 : 3

Ans: (a)

Q) The average temperature for Monday, Tuesday and Wednesday was 55°, the average for Tuesday, Wednesday and Thursday was 60°, that for Thursday being 56°, what was the temperature on Monday ?

(a) 39°

(b) 41°

(c) 45°

(d) None of these

Q) The average temperature for Monday, Tuesday and Wednesday was 55°, the average for Tuesday, Wednesday and Thursday was 60°, that for Thursday being 56°, what was the temperature on Monday ?

(a) 39°

(b) 41°

(c) 45°

(d) None of these

Ans: (b)

Q) A batsman in his 12th innings makes a score of 65 and thereby increases his average by 2 runs. What is his average after the 12th innings if he had never been 'not out'?

(a) 42 (b) 43 (c) 44 (d) 45

Q) A batsman in his 12th innings makes a score of 65 and thereby increases his average by 2 runs. What is his average after the 12th innings if he had never been 'not out'?

(a) 42   (b) 43   (c) 44   (d) 45

Ans: (b)

Q) 3 years ago the average age of a family of 5 members was 17 years. With the birth of a new baby, the average age of six members remains the same even today. Find the age of the new baby.

(a) 1 year

(b) 2 years

(c) $1\frac{1}{2}$ years

(d) cannot be determined

Q) 3 years ago the average age of a family of 5 members was 17 years. With the birth of a new baby, the average age of six members remains the same even today. Find the age of the new baby.

(a) 1 year

(b) 2 years

(c) $1\frac{1}{2}$ years

(d) cannot be determined

Ans: (b)

Q) A librarian purchased 60 story books for his library. But he found that he could get 4 extra books by spending ₹ 336 more and then the overall average price per book would be reduced by ₹ 1. The previous average price of each book was

(a) ₹84   (b) ₹ 83   (c) ₹68   (d) ₹100

Q) A librarian purchased 60 story books for his library. But he found that he could get 4 extra books by spending ₹ 336 more and then the overall average price per book would be reduced by ₹ 1. The previous average price of each book was

(a) ₹84   (b) ₹ 83   (c) ₹68   (d) ₹100

Ans: (d)

Q) Out of 250 observations, the first 100 observations have mean 5 and the average of the remaining 150 observations is $\dfrac{25}{3}$. What is the average of the whole group of observations?

(a) 6 (b) 7

(c) 8 (d) 9

Q) Out of 250 observations, the first 100 observations have mean 5 and the average of the remaining 150 observations

is $\dfrac{25}{3}$. What is the average of the whole group of

observations?

(a) 6

(b) 7

(c) 8

(d) 9

Ans: (b)

Q) Three science classes A, B and C take a Life Science test. The average score of class A is 83. The average score of class B is 76. The average score of class C is 85. The average score of class A and B is 79 and average score of class B and C is 81. Then the average score of classes A, B and C is

(a) 80.5   (b) 81.5   (c) 80   (d) 81

Q) Three science classes A, B and C take a Life Science test. The average score of class A is 83. The average score of class B is 76. The average score of class C is 85. The average score of class A and B is 79 and average score of class B and C is 81. Then the average score of classes A, B and C is

(a)   80.5   (b)   81.5   (c)   80   (d)   81

Ans: (b)

Q) The price of a commodity increased by 5% from 2010 to 2011, 8% from 2011 to 2012 and 77% from 2012 to 2013. What is the average price increase (approximate) from 2010 to 2013?

(a) 26%
(b) 32%
(c) 24%
(d) 30%

Q) The price of a commodity increased by 5% from 2010 to 2011, 8% from 2011 to 2012 and 77% from 2012 to 2013. What is the average price increase (approximate) from 2010 to 2013?

(a) 26% (b) 32%

(c) 24% (d) 30%

Ans: (d)

Q) I was born 30 years after my father was born. My sister was born 25 years after my mother was born. The average age of my family is 26.25 years right now. My sister will get married 4 years from now and will leave the family. Then the average age of the family will be $\dfrac{107}{3}$ years. What is the age of my father?

(a) 30 years

(b) 35 years

(c) 40 years

(d) 45 years

Q) I was born 30 years after my father was born. My sister was born 25 years after my mother was born. The average age of my family is 26.25 years right now. My sister will get married 4 years from now and will leave the family. Then the average age of the family will be $\dfrac{107}{3}$ years. What is the age of my father?

(a)   30 years

(b)   35 years

(c)   40 years

(d)   45 years

Ans: (d)

Q) The average monthly salary of all the employees in a factory is ₹ 8840. If the average salary of all the officers is ₹ 15000 and that of the remaining employees is ₹ 8000, then what is the percentage of the officers among the employees?

(a) 12%　　(b) $9\dfrac{5}{7}\%$　　(c) $8\dfrac{1}{3}\%$　(d) $11\dfrac{2}{3}\%$

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(a) 12%   (b) $9\dfrac{5}{7}\%$ (c) $8\dfrac{1}{3}\%$ (d) $11\dfrac{2}{3}\%$

Ans: (a)

Q) A family consists of grandparents, parents and three grandchildren. The average age of the grandparents is 67 years, that of the parents is 35 years and that of the grandchildren is 6 years. What is the average age of the family?

(a) $28\dfrac{4}{7}$ years

(b) $31\dfrac{5}{7}$ years

(c) $32\dfrac{1}{7}$ years

(d) None of these

Q) A family consists of grandparents, parents and three grandchildren. The average age of the grandparents is 67 years, that of the parents is 35 years and that of the grandchildren is 6 years. What is the average age of the family?

(a) $28\dfrac{4}{7}$ years

(b) $31\dfrac{5}{7}$ years

(c) $32\dfrac{1}{7}$ years

(d) None of these

Ans: (b)