


Set-4

Q. N	Folder Number & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option - A,B,C,D)	
1	5_27 8421	Rational Numbers	<p>At this point, P starts running at 5 m/sec while L continues to run at 4 m/sec. In how many seconds will P just catch up with L?</p> <p>Six people - K, L, M, N, O and P are in a race. Their relative positions in the race at a particular instant are described below. Answer the question based on this. K is 10 metres behind L, L is 25 metres ahead of M, M is 5 metres behind O and N is 15 metres ahead of K. P is midway between K and L.</p>		C	
						AnswerOptions
			Option A	Option B	Option C	Option D
			1	4	5	9
2	5_27 8420	Rational Numbers	<p>Starting with the one who is first, what is their order at this point?</p> <p>Six people - K, L, M, N, O and P are in a race. Their relative positions in the race at a particular instant are described below. Answer the question based on this : K is 10 metres behind L, L is 25 metres ahead of M, M is 5 metres behind O and N is 15 metres ahead of K. P is midway between K and L.</p>		D	
						AnswerOptions
			Option A	Option B	Option C	Option D
			L-P- N- K- O- M	N- L- K- P- M- O	L- N- P- O- K- M	N- L- P- K- O- M

3	28_270 Mathematics 10067	Linear equations in one variables	In a magic square, the sum of every row, column and diagonal is the same. Shown below is a 3 x 3 magic square: What is the value of $10x$?	<table border="1" style="text-align: center;"> <tbody> <tr> <td>x</td> <td>$x-5$</td> <td>8</td> </tr> <tr> <td>$x+1$</td> <td>y</td> <td>$y-2$</td> </tr> <tr> <td>2</td> <td>9</td> <td>4</td> </tr> </tbody> </table>	x	$x-5$	8	$x+1$	y	$y-2$	2	9	4	A			
x	$x-5$	8															
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2	9	4															
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4	5_27 8405	Linear Equation in one variable	Vaishali saves Rs. 35 every week to buy a game costing Rs. 510. Which expression below shows the amount left for her to save after n weeks?		C												
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5	5_2 9 Mathematics 11374	Linear equation in one variable	The ratio of Neha's age to that of Jane is 4:7 and the ratio of Jane's age to that of Smita is 4:3. If Smita is 21 years old, how old is Neha?		B												
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6	2_10 Mathematics 5852	LINEAR EQUATIONS IN ONE VARIABLE	The angles of a triangle are in the ratio 2 : 5 : 2. What kind of triangle will it be?		B												

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7	2_10 Mathematics 5864	LINEAR EQUATIONS IN ONE VARIABLE	$(1 + \frac{3}{4}) \times k = 1$ Here k stands for the rational number, Then value of k is ?		D												
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8	3_18 Mathematics 3367	LINEAR EQUATION IN ONE VARIABLE	The number of pencils in Ketan's box is 6 more than the number of rulers in it. If the number of pencils in his box is P and the number of rulers R, which of the following is true?		A												
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9	1_4 Mathematics 7603	LINEAR EQUATION IN ONE VARIABLE	Which of the following could be the correct relation between x and y?	<table border="1"> <tr> <td>x</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> <tr> <td>y</td> <td>1</td> <td>5</td> <td>9</td> <td>13</td> </tr> </table>	x	1	2	3	4	y	1	5	9	13	D		
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10	1_4 Mathematics 7606	LINEAR EQUATION IN ONE VARIABLE	While solving an equation of the form $x + m = n$ (where m and n are constants), Ranjana made a mistake and added m to n instead of subtracting it. By how much would her answer differ from the correct one?		A												
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11	2_11 Mathematics 4439	LINEAR EQUATION IN ONE VARIABLE	Hema has weighing scales with a removable pan. One day, she adjusts it as shown below and then weighs a bag of flour: How much did the bag of flour weigh?		B												
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12	2_11 Mathematics 4440	LINEAR EQUATION IN ONE VARIABLE	On being asked her age, Shalu replies, 'My brother was born 2 years before me and my sister 4 years after me and the sum of their ages is 30 years.' How old is Shalu?		C												
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13	2_11 Mathematics 4452	LINEAR EQUATION IN ONE VARIABLE	By how much will the sum of the numbers in the 20th row exceed the sum of the numbers in the 15th?	<table border="1"> <tbody> <tr> <td>1st Row →</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> </tr> <tr> <td>2nd Row →</td> <td>6</td> <td>7</td> <td>8</td> <td>9</td> <td>10</td> </tr> <tr> <td>3rd Row →</td> <td>11</td> <td>12</td> <td>13</td> <td>14</td> <td>15</td> </tr> <tr> <td>...</td> <td>16</td> <td>17</td> <td>18</td> <td>19</td> <td>20</td> </tr> <tr> <td>...</td> <td>21</td> <td>22</td> <td>23</td> <td>24</td> <td>25</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	1st Row →	1	2	3	4	5	2nd Row →	6	7	8	9	10	3rd Row →	11	12	13	14	15	...	16	17	18	19	20	...	21	22	23	24	25													D
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14	27_270 Mathematics 8410	Linear equations in one variables	Akhil's office in a high-rise building was on a floor that had as many floors above it as below. One day, he went up 7 floors from his office, then down 4 floors and finally up 9 floors. If he was at the top floor now, how many floors did the building have in all?		D																																										
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15	28_270 Mathematics 10044	Linear equations in one variables	Five numbers, when arranged in ascending order, form a series in which the difference between each number and the number next to it is 7. If 8 and 36 are two of those numbers, which one of the following could be one of the other three numbers?		C																																										
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