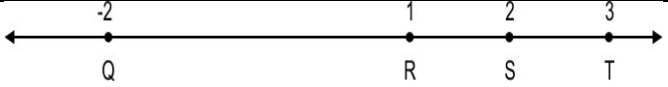
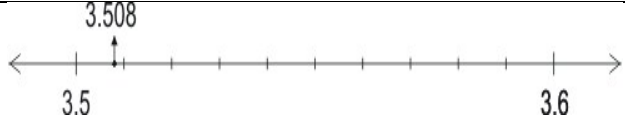
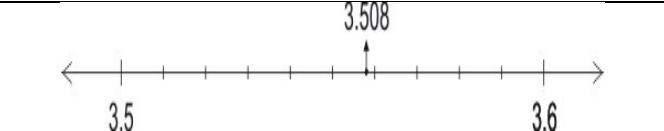

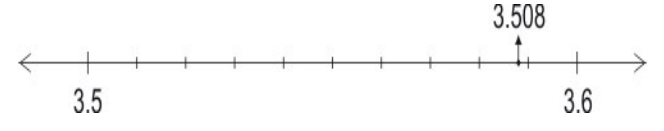
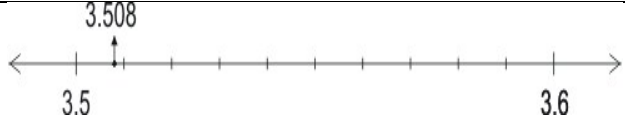
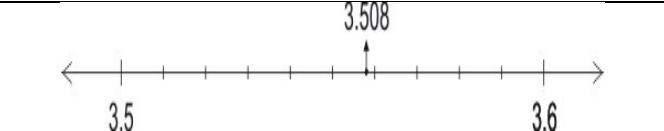

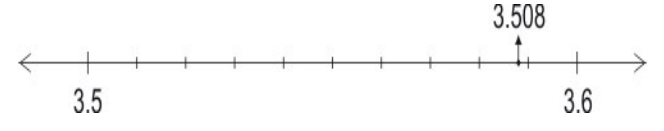
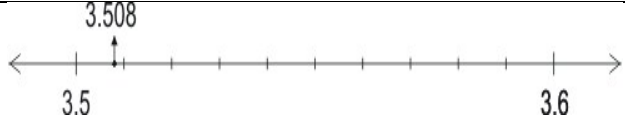
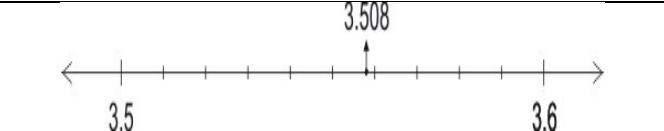

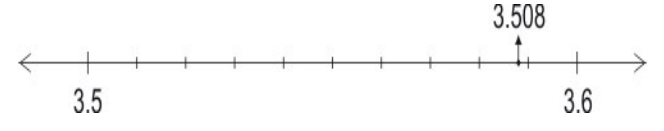


S.N	Folder Number & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option-A,B,C,D)
1	2_10 Mathematics 5846	RATIONAL NUMBERS	Mr. Shah, an industrialist, is estimated to have assets worth Rs. 5.2 crores. Which of these could be the actual value of his assets?		D
		Answers option			
		Option A	Option B	Option C	Option D
		Rs. 52,07,900	Rs. 50,29,790	Rs. 5,02,56,770	Rs. 5,23,45,990
2	2_11 MATHEMATICS 5321	Comparing Quantities	Mr. Kaul deposits a fixed amount of money for a 5 year period. Some details of the account (Interest compounded annually) are given below: Principal on which interest is computed for		C

			<p>the first year : Rs 40000 .Interest earned for the first year : Rs 2000 Interest earned for the second year : Rs 2100 Interest earned for the third year : Rs 2205 The amount (Principal) on which the interest for the fourth year will be calculated is</p>			
		Answer Options				
		Option A	Option B	Option C	Option D	
		2,205	40,000	46,305	46,615	
3	2_10 Mathematics 5858	RATIONAL NUMBERS	6789678967896789 ÷ 6789 is equal to			C
		Answers option				
		Option A	Option B	Option C	Option D	
		1111	10101	1000100010001	1000100010001000	
4	2_10 Mathematics	RATIONAL NUMBERS	Point M (not shown) on the number line is MORE than 4 units			C

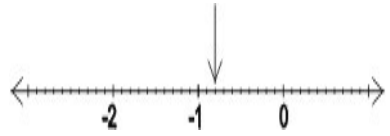
	5873	away from point Q and LESS than 1 unit away from point S. Where does point M lie?														
<table border="1" style="width: 100%; text-align: center;"> <tr> <th colspan="4">Answers option</th> </tr> <tr> <th>Option A</th> <th>Option B</th> <th>Option C</th> <th>Option D</th> </tr> <tr> <td>Between Q and R</td> <td>Between R and S</td> <td>Between S and T</td> <td>To the right of T</td> </tr> </table>					Answers option				Option A	Option B	Option C	Option D	Between Q and R	Between R and S	Between S and T	To the right of T
Answers option																
Option A	Option B	Option C	Option D													
Between Q and R	Between R and S	Between S and T	To the right of T													
5	2_10 Mathematics 5878	RATIONAL NUMBERS	Which of these is true for any non-zero rational number p?		B											
<table border="1" style="width: 100%; text-align: center;"> <tr> <th colspan="4">Answers option</th> </tr> <tr> <th>Option A</th> <th>Option B</th> <th>Option C</th> <th>Option D</th> </tr> <tr> <td>$p \times (-p) = 1$</td> <td>$(-p) \div p = -1$</td> <td>$p - (-p) = 0$</td> <td>$-1/p = p$</td> </tr> </table>					Answers option				Option A	Option B	Option C	Option D	$p \times (-p) = 1$	$(-p) \div p = -1$	$p - (-p) = 0$	$-1/p = p$
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6	3_18 Mathematics 3346	RATIONAL NUMBERS	The integer that is 25 more than (-435) is		C											
<table border="1" style="width: 100%; text-align: center;"> <tr> <th colspan="4">Answers option</th> </tr> <tr> <th>Option A</th> <th>Option B</th> <th>Option C</th> <th>Option D</th> </tr> <tr> <td>-450</td> <td>-460</td> <td>-410</td> <td>460</td> </tr> </table>					Answers option				Option A	Option B	Option C	Option D	-450	-460	-410	460
Answers option																
Option A	Option B	Option C	Option D													
-450	-460	-410	460													

7	<p style="text-align: center;">3_18 Mathematics 3353</p>	RATIONAL NUMBERS	<p>Any number that can be written in the form $\frac{x}{y}$ (where x, y are integers and $y \neq 0$) is a rational number.</p> <p>Which of the following is NOT a rational number?</p>		C												
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4" style="text-align: center;">Answers option</th> </tr> <tr> <th style="width: 25%;">Option A</th> <th style="width: 25%;">Option B</th> <th style="width: 25%;">Option C</th> <th style="width: 25%;">Option D</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">2.353535....</td> <td style="text-align: center;">$-\frac{1}{4}$</td> <td style="text-align: center;">$\frac{3}{0}$</td> <td style="text-align: center;">7</td> </tr> </tbody> </table>						Answers option				Option A	Option B	Option C	Option D	2.353535....	$-\frac{1}{4}$	$\frac{3}{0}$	7
Answers option																	
Option A	Option B	Option C	Option D														
2.353535....	$-\frac{1}{4}$	$\frac{3}{0}$	7														
8	<p style="text-align: center;">3_18 Mathematics 3354</p>	RATIONAL NUMBERS	<p>On which number line is the position of 3.508 shown most accurately?</p>		A												
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4" style="text-align: center;">Answers option</th> </tr> <tr> <th style="width: 50%;">Option A</th> <th style="width: 50%;">Option B</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">  </td> <td style="text-align: center;">  </td> </tr> <tr> <th style="width: 50%;">Option C</th> <th style="width: 50%;">Option D</th> </tr> <tr> <td style="text-align: center;">  </td> <td style="text-align: center;">  </td> </tr> </tbody> </table>						Answers option				Option A	Option B			Option C	Option D		
Answers option																	
Option A	Option B																
																	
Option C	Option D																
																	

9	3_18 Mathematics 3363	RATIONAL NUMBERS	A pair of rational numbers, when MULTIPLIED, gives the answer as (-1). The numbers could be		D
Answers option					
Option A		Option B	Option C	Option D	
(-p) and p		(-p) and (-1)	(-p) and 1	(-p) and 1/p	
10	3_18 Mathematics 3377	RATIONAL NUMBERS	A new operation \star is defined as follows: $p \star q = 2q - p$ for all rational numbers p and q. According to this, what will be the value of $5 \star 1$?	\star	B

		<table border="1"> <thead> <tr> <th colspan="4">Answers option</th> </tr> <tr> <th>Option A</th> <th>Option B</th> <th>Option C</th> <th>Option D</th> </tr> </thead> <tbody> <tr> <td>-8</td> <td>-3</td> <td>8</td> <td>9</td> </tr> </tbody> </table>				Answers option				Option A	Option B	Option C	Option D	-8	-3	8	9
Answers option																	
Option A	Option B	Option C	Option D														
-8	-3	8	9														
11	1_4 Mathematics 7585	RATIONAL NUMBERS	c and d are two integers. Which of the following MUST BE TRUE if $(-3d) \div c$ is to be a rational number?		D												
		<table border="1"> <thead> <tr> <th colspan="4">Answers option</th> </tr> <tr> <th>Option A</th> <th>Option B</th> <th>Option C</th> <th>Option D</th> </tr> </thead> <tbody> <tr> <td>d should be a positive number.</td> <td>d and c should be of opposite signs.</td> <td>d should be completely divisible by c.</td> <td>c should not be 0.</td> </tr> </tbody> </table>				Answers option				Option A	Option B	Option C	Option D	d should be a positive number.	d and c should be of opposite signs.	d should be completely divisible by c.	c should not be 0.
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12	1_4 Mathematics 7587	RATIONAL NUMBERS	<input type="checkbox"/> represents a number such that $-\frac{5}{6} \times \square = 1$ Which of the following statements about <input type="checkbox"/> is <u>NOT</u> true?		A												

		<table border="1"> <tr> <th colspan="4">Answers option</th> </tr> <tr> <th>Option A</th> <th>Option B</th> <th>Option C</th> <th>Option D</th> </tr> <tr> <td>$\square \div \frac{5}{6} = 1$</td> <td>$\square < -\frac{5}{6}$</td> <td>$\frac{6}{5} - \square = 0$</td> <td>$\square$ lies between -1 and -2</td> </tr> </table>				Answers option				Option A	Option B	Option C	Option D	$\square \div \frac{5}{6} = 1$	$\square < -\frac{5}{6}$	$\frac{6}{5} - \square = 0$	\square lies between -1 and -2
Answers option																	
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$\square \div \frac{5}{6} = 1$	$\square < -\frac{5}{6}$	$\frac{6}{5} - \square = 0$	\square lies between -1 and -2														
13	1_2 Mathematics 6891	RATIONAL NUMBER	What is one crore, two lakhs and three thousand PLUS twenty seven lakhs, forty three thousand and twenty one?		B												
		<table border="1"> <tr> <th colspan="4">Answers option</th> </tr> <tr> <th>Option A</th> <th>Option B</th> <th>Option C</th> <th>Option D</th> </tr> <tr> <td>2866021</td> <td>12946021</td> <td>14746021</td> <td>14773021</td> </tr> </table>				Answers option				Option A	Option B	Option C	Option D	2866021	12946021	14746021	14773021
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2866021	12946021	14746021	14773021														
14	1_2 Mathematics 6892	RATIONAL NUMBERS	<p>0, 1, 2, 3, 4... are called Whole Numbers.</p> <p>x and y are two numbers which satisfy ALL these conditions: (x + y) is a whole number, (x - y) is not a whole number and xy is not a whole number</p> <p>Which of the following COULD BE values of x and y?</p>		C												

		<table border="1" style="width: 100%; text-align: center;"> <tr> <th colspan="4">Answers option</th> </tr> <tr> <td>Option A</td> <td>Option B</td> <td>Option C</td> <td>Option D</td> </tr> <tr> <td>$x = 3, y = 2$</td> <td>$x = 6, y = 8$</td> <td>$x = 4.6, y = 6.4$</td> <td>$x = 1.3, y = 6.3$</td> </tr> </table>				Answers option				Option A	Option B	Option C	Option D	$x = 3, y = 2$	$x = 6, y = 8$	$x = 4.6, y = 6.4$	$x = 1.3, y = 6.3$
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15	1_2 Mathematics 6893	RATIONAL NUMBERS	Which rational number does the pointer on the number line show?			D											
<table border="1" style="width: 100%; text-align: center;"> <tr> <th colspan="4">Answers option</th> </tr> <tr> <td>Option A</td> <td>Option B</td> <td>Option C</td> <td>Option D</td> </tr> <tr> <td>-1.2</td> <td>-0.4</td> <td>1.2</td> <td>-0.8</td> </tr> </table>				Answers option				Option A	Option B	Option C	Option D	-1.2	-0.4	1.2	-0.8		
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