<table>
<tr><th>Q. N</th><th>Folder Number & Question Code</th><th>Topic</th><th>Question with Answer Options</th><th>Image (If Any)</th><th>Correct Answer (Option-A, B, C, D)</th></tr>
<tr><td>1</td><td>26_270
Mathematics

1667</td><td>Rational Numbers</td><td>How many whole numbers are there between 1 lakh and 1 crore (excluding both)?</td><td></td><td>C</td></tr>
<tr><td colspan="5"><table><tr><th colspan="4">Answer Options</th></tr><tr><td>Option A</td><td>Option B</td><td>Option C</td><td>Option D</td></tr><tr><td>9000000</td><td>9900000</td><td>9899999</td><td>10000000</td></tr></table></td></tr>
<tr><td>2</td><td>26_270
Mathematics
1668</td><td>Rational Numbers</td><td>Which of the following is equal to 13^2?</td><td></td><td>B</td></tr>
<tr><td colspan="5"><table><tr><th colspan="4">Answer Options</th></tr><tr><td>Option A</td><td>Option B</td><td>Option C</td><td>Option D</td></tr><tr><td>$13^7/13^6$</td><td>$13^6/13^4$</td><td>$12^2{}_+1^2$</td><td>$13^3/13^5$</td></tr></table></td></tr>
<tr><td>3</td><td>29_270
Mathematics
11373</td><td>Rational Numbers</td><td>9.03 divided by 899.8 is closest to</td><td></td><td>A</td></tr>
<tr><td colspan="5"><table><tr><th colspan="4">Answer Options</th></tr><tr><td>Option A</td><td>Option B</td><td>Option C</td><td>Option D</td></tr><tr><td>0.01</td><td>0.001</td><td>1</td><td>100</td></tr></table></td></tr>
<tr><td>4</td><td>19_269
Mathematics
2731</td><td>Rational Numbers</td><td>What do you get on adding the smallest 2-digit positive integer and the smallest 2-digit negative integer?</td><td></td><td>C</td></tr>
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<tr><td></td><td></td><td colspan="4"><table><tr><th colspan="4">Answer Options</th></tr><tr><td>Option A</td><td>Option B</td><td>Option C</td><td>Option D</td></tr><tr><td>0</td><td>-20</td><td>-89</td><td>-109</td></tr></table></td></tr>
<tr><td>5</td><td>19_269
Mathematics
2748</td><td>Rational Numbers</td><td>p and q are two numbers such that p x q is an integer but p - q is NOT an integer. Which of the following could be the values of p and q?</td><td></td><td>D</td></tr>
<tr><td></td><td></td><td colspan="4"><table><tr><th colspan="4">Answer Options</th></tr><tr><td>Option A</td><td>Option B</td><td>Option C</td><td>Option D</td></tr><tr><td>-4 , 4</td><td>4 , 4</td><td>1/4 , 1/4</td><td>4 , 1/4</td></tr></table></td></tr>
<tr><td>6</td><td>27_270
Mathematics
8383</td><td>Rational Numbers</td><td>What is the number midway between 12345 and 54321?</td><td></td><td>C</td></tr>
<tr><td></td><td></td><td colspan="4"><table><tr><th colspan="4">Answer Options</th></tr><tr><td>Option A</td><td>Option B</td><td>Option C</td><td>Option D</td></tr><tr><td>20988</td><td>32423</td><td>33333</td><td>41976</td></tr></table></td></tr>
<tr><td>7</td><td>27_270
Mathematics
8387</td><td>Rational Numbers</td><td>Which of the following is closest to 0.1?</td><td></td><td>A</td></tr>
<tr><td></td><td></td><td colspan="4"><table><tr><th colspan="4">Answer Options</th></tr><tr><td>Option A</td><td>Option B</td><td>Option C</td><td>Option D</td></tr><tr><td>0.09</td><td>0.12</td><td>1</td><td>1/5</td></tr></table></td></tr>
<tr><td>8</td><td>27_270
Mathematics
8390</td><td>Rational Numbers</td><td>For what value of k is the expression undefined?</td><td>$\frac{k-5}{k+3}$</td><td>C</td></tr>
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<tr><td></td><td></td><td colspan="5"><table><tr><th colspan="4">Answer Options</th></tr><tr><td>Option A</td><td>Option B</td><td>Option C</td><td>Option D</td></tr><tr><td>0</td><td>3</td><td>-3</td><td>5</td></tr></table></td></tr>
<tr><td>9</td><td>27_270 Mathematics 8393</td><td>Rational Numbers</td><td>An operation is defined as follows: For what values of x and y is x, y = 6?</td><td>$x \blacktriangle y = \frac{(x+y)}{y}$</td><td>C</td></tr>
<tr><td></td><td></td><td colspan="4"><table><tr><th colspan="4">Answer Options</th></tr><tr><td>Option A</td><td>Option B</td><td>Option C</td><td>Option D</td></tr><tr><td>6 and 1 respectively</td><td>6 and 30 respectively</td><td>35 and 7 respectively</td><td>9 and 18 respectively</td></tr></table></td></tr>
<tr><td>10</td><td>27_270 Mathematics 8394</td><td>Rational Numbers</td><td>In which of the following cases will the result be a negative number?</td><td></td><td>D</td></tr>
<tr><td></td><td></td><td colspan="4"><table><tr><th colspan="4">Answer Options</th></tr><tr><td>Option A</td><td>Option B</td><td>Option C</td><td>Option D</td></tr><tr><td>- 1 + 2 - 3 + 4 - .....- 19 + 20</td><td>(- 1) x (-2) x (-3) x .....x (-19) x (-20)</td><td>(- 1) x (2) x (-3) x (4).....x (-19) x (20)</td><td>1 - 2 + 3 - 4 -.....+ 19 - 20</td></tr></table></td></tr>
<tr><td>11</td><td>28_270 Mathematics 10033</td><td>Rational Numbers</td><td>A pizza is divided into equal slices as shown. What part of the pizza below would remain if you ate two of the slices?</td><td>  </td><td>C</td></tr>
<tr><td></td><td></td><td colspan="4"><table><tr><th colspan="4">Answer Options</th></tr><tr><td>Option A</td><td>Option B</td><td>Option C</td><td>Option D</td></tr><tr><td>0.4</td><td>0.6</td><td>0.667</td><td>0.775</td></tr></table></td></tr>
<tr><td>12</td><td>28_270 Mathematics 10038</td><td>Rational Numbers</td><td>Numbers that can be written in the form m/n are integers and is not equal to 0 are called rational numbers. Which of the numbers in the list below are rational numbers? 12/5, 12.5, 12</td><td></td><td>D</td></tr>
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<table>
<tr><th colspan="4">Answer Options</th></tr>
<tr><td>Option A</td><td>Option B</td><td>Option C</td><td>Option D</td></tr>
<tr><td>12 and 12/5</td><td>Only 12/5</td><td>Only 12</td><td>All of them</td></tr>
</table>
</td></tr>
<tr><td>13</td><td>28_270
Mathematics
10040</td><td>
<table>
<tr><td>Rational Numbers</td><td>Two numbers whose sum is 0 are called 'opposite' numbers. According to this, what number would be the 'opposite' of - 2x</td><td></td><td>A</td></tr>
</table>
<table>
<tr><th colspan="4">Answer Options</th></tr>
<tr><td>Option A</td><td>Option B</td><td>Option C</td><td>Option D</td></tr>
<tr><td>2x</td><td>-2</td><td>2</td><td>2 + x</td></tr>
</table>
</td></tr>
<tr><td>14</td><td>29_270
Mathematics
11367</td><td>
<table>
<tr><td>Rational Numbers</td><td>The integer that is 25 more than (-435) is</td><td></td><td>C</td></tr>
</table>
<table>
<tr><th colspan="4">Answer Options</th></tr>
<tr><td>Option A</td><td>Option B</td><td>Option C</td><td>Option D</td></tr>
<tr><td>-450</td><td>-460</td><td>-410</td><td>460</td></tr>
</table>
</td></tr>
<tr><td>15</td><td>29-270
Mathematics
11368</td><td>
<table>
<tr><td>Rational Numbers</td><td>c and d are two integers. Which of the following MUST BE TRUE if (-3d) &divided by c is to be a rational number?</td><td></td><td>D</td></tr>
</table>
<table>
<tr><th colspan="4">Answer Options</th></tr>
<tr><td>Option A</td><td>Option B</td><td>Option C</td><td>Option D</td></tr>
<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>
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