



<b>Q.13</b>	Simplify: $\frac{49 \times t^{-5} \times 5}{7^{-3} \times 10 \times t^{-10}} \quad (t \neq 0)$
<b>Q.14</b>	Simplify: $\left[\left(\frac{2}{7}\right)^{-2}\right]^4 \times \left[\left(\frac{7}{2}\right)^4\right]^{-2}$
<b>Q.15</b>	Simplify: $\frac{5^{-3} \times 6^{-5} \times 81 \times 4}{3^{-7} \times 10^{-3}}$

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<b>ANSWER KEY</b>			
<b>Q1.</b>	(a) $2^{11}$ , (b) $3^7$	<b>Q2.</b>	2
<b>Q4.</b>	$\frac{81}{16}$	<b>Q5.</b>	$\left(\frac{5}{3}\right)^{14}$ , $(10)^5$
<b>Q7.</b>	(a) $1.6 \times 10^{-5}$ (b) $3.34 \times 10^{-21}$	<b>Q8.</b>	(a) 0.000000352 (b) 0.0000754
<b>Q10.</b>	$\left(\frac{1}{3}\right)^{-4} = 81$	<b>Q11.</b>	(a) $x = 3$ (b) $x = 1$
<b>Q13.</b>	$\frac{(7t)^5}{2}$	<b>Q14.</b>	1
		<b>Q15.</b>	$3^6$