Mathematics In Everyday Life-8

1.	A rational number between $\frac{-1}{2}$	and $\frac{1}{2}$ is			
	(<i>a</i>) 1	(b) 0	(c) –1	(<i>d</i>) 2	
2.	1 is called				
	(<i>a</i>) identity element for multipl(<i>b</i>) identity element for addition				
	(c) identity element for subtrac				
	(d) none of these				
3.	If $a + 0 = 0 + a = a$, where <i>a</i> is a rational distribution of $a = a$.	tional number, then 0 is called			
	(<i>a</i>) additive inverse of <i>a</i>(<i>c</i>) identity element for addition of rational number		(<i>b</i>) reciprocal of <i>a</i>(<i>d</i>) none of these		
	1				
4.	$\frac{1}{5}$ lies to the left of on the number line.				
	(<i>a</i>) 0	(<i>b</i>) 1	(c) - 1	(<i>d</i>) none of these	
-	$\frac{-7}{4} \times \frac{1}{2} + \frac{-7}{4} \times \frac{1}{2}$ is equal to				
5.	$\frac{1}{4} \times \frac{1}{2} + \frac{1}{4} \times \frac{1}{2}$ is equal to				
	(a) $\frac{-7}{8}$	(b) $\frac{7}{8}$	(c) $\frac{-7}{4}$	(d) $\frac{7}{4}$	
B:	Solve the following :	× 7 8	4	` 4	
1.	Verify : $\left(\frac{-2}{11}\right) \times \left(\frac{-1}{4}\right) - \left(\frac{-1}{4}\right)$	$\times \left(\frac{-1}{3}\right) = \left(\frac{-2}{11}\right) \times \left \frac{-1}{4} - \left(\frac{-1}{3}\right)\right $		$(3 \times 5 = 15)$	
2.	2. The product of two rational numbers is $\left(\frac{-28}{27}\right)$. If one of the numbers is $\frac{4}{-9}$, find the other number.				
	3. Find the value of <i>x</i> :				
	(-15) -2 1 -4				
	(i) $x \div \left(\frac{-15}{108}\right) = \frac{-2}{3}$ (ii) $\frac{1}{-13} \div x = \frac{-4}{11}$				
4	4. A suize of length (0^1) we have not into 5 minutes of a real length. Find the length of each minute				
4.	4. A wire of length $60\frac{1}{2}$ m has been cut into 5 pieces of equal length. Find the length of each piece.				
5. Find five rational numbers between x and $ x $, when $x = \frac{-3}{4}$.					
4					

Chapter 1 : Rational Numbers

A : Choose the correct alternatives in each of the following :

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CORDO

ASSESSMENT

Max.Marks: 20

$(1 \times 5 = 5)$