

INTERNATIONAL INDIAN SCHOOL, TABUK

TERM-1 (SESSION: 2025-26)

PRACTICE SHEET -2

CLASS: VII

SUBJECT: MATHEMATICS

TOPIC: CHAPTER : 2,3 and 4

	CHAPTER -2 FRACTIONS AND DECIMALS							
I	Choose the correct	answer						
1.	The value $\frac{1}{2}$ of $\frac{3}{5}$ is	·						
	a. $\frac{3}{20}$ b. $\frac{3}{10}$	C. $\frac{10}{3}$	d. $\frac{4}{21}$					
2.	The reciprocal of $1\frac{2}{3}$ i	s						
	a. $\frac{3}{2}$ b. $\frac{5}{3}$	C. $\frac{3}{5}$	d. $\frac{2}{3}$					
3.	The value of 0.80 \div 5 is							
	a. 16 b. 0.16	c.1.6	d.1.006	i				
4.	The value of 26.3 ÷ 1000 is							
	a. 0.0263	b. 0.2630	c. 26300	d. 26.30	0			
5.	A of a fraction is obtained by inverting it upside down.							
	a.decimals	numerator	c. denomi	nator	d. reciprocal			
II	solve							
6.	Find:							
	(a) $\frac{1}{2}$ of (i) 24 (ii)	46	(b) $\frac{2}{3}$ of	(i) 18 (ii) 27				
7.	A car runs 16 km using	1 litre of petrol.	How much distance	e will it cover usir	ng $2\frac{3}{4}$ litres of petrol?			

8.	Find the reciprocal of each of the following fractions. Classify the reciprocals as proper fractions,							
	improper fractions and whole numbers.							
	$\frac{3}{5}$ $\frac{5}{9}$ $\frac{6}{12}$ $\frac{1}{1}$ $\frac{1}{1}$							
	i) 7 (ii) 8 (iii) 7 (iv) 5 (v) 7 (vi) 8 (vii) 11							
9.	Find:							
	(i) 7 ÷ 3.5 (ii) 36 ÷ 0.2 (iii) 3.25 ÷ 0.5 (iv) 30.94 ÷ 0.7							
10.	A vehicle covers a distance of 43.2 km in 2.4 litres of petrol. How much distance will it cover in one							
	litre of petrol?							
	CHAPTER -3 DATA HANDLING							
1.	The mean of first five whole number is							
	a. 2 b. 5 c. 3 d. 4							
2.	Median of the data 9,8,1,2,3,6,7,5,4 is							
	a. 5 b. 9 c. 6 d. 4							
3.	The mean of first five odd natural number is							
	a. 2 b. 5 c. 3 d. 4							
4.	Find the mode of the given set of numbers: 1,1,2,4,3,2,1,2,2,4							
	a. 2 b. 1 c. 3 d. 4							
5.	A is a representation of numbers using bars of uniform widths.							
	a. range b. bar graph c. median d. mode							
6								
0.	32, 41, 28, 54, 35, 26, 23, 33, 38, 40							
	(i) What is the age of the oldest teacher and that of the youngest teacher?							
	(ii) What is the range of the ages of the teachers?							
	(iii) What is the mean age of these teachers?							
	(iii) What is the mean age of these teachers:							
7.	The heights of 10 girls were measured in cm and the results are as follows:							
	135, 150, 139, 128, 151, 132, 146, 149, 143, 141.							
	(i) What is the height of the tallest girl?							
	(ii) What is the height of the shortest girl?							
	(iii) What is the range of the data?							
	(iv) What is the mean height of the girls?							
	(v)How many girls have heights more than the mean height.							

8.	The runs scored in a cricket match by 11 players is as follows:										
	6, 15, 120, 50, 100, 80, 10, 15, 8, 10, 15										
	Find the mean, mode and median of this data. Are the three same?										
9.	Nur	Number of children in six different classes are given below. Represent the data on a bar graph.									
		Class	Fifth	Sixth	Seventh	Eighth	Ninth	Tenth			
		Number of Children	100	120	05	100	00	20			
			155		95	100	90	80			
	(a) How would you choose a scale?										
	(b) Answer the following questions:										
	(i) Which class has the maximum number of children? And the minimum?										
	(ii) Find the ratio of students of class sixth to the students of class eight.										
10.	Find	d the mode and median	of the o	data: 13,	, 16, 12, 14	, 19, 12,	14, 13,	14.			
	CHAPTER – 4 SIMPLE EQUATIONS										
1.	The solution of the equation $P+4 = 15$ is $P = $										
	a. 1	2 b. 13	c. 1	4	d. 11						
2.	The solution of the equation 2m = 16 is m =										
	a.10	D b. 13	c. 14		d.8						
3.	Solve the following equations by trial and error method:										
		(i) 5 <i>p</i> + 2 = 17	(ii) 3 <i>ı</i>	<i>n</i> – 14 =	: 4						
4.	Wri	te equations for the fol	owing s	tatemer	nts:						
		(i) The sum of numb	ers x an	d 4 is 9.	(i	i) 2 subt	racted f	rom y is	8.		
		(iii) Ten times <i>a</i> is 70.			(iv)The nur	mber <i>b</i> o	divided k	by 5 gives 6.		
5.	Wri	te the following equation	ons in st	atement	t forms:						
	(i) <i>r</i>	m - 7 = 3 (ii) $2m = 7$									
6.	Giv	e the steps you will use	to sepa	rate the	variable ar	nd then s	solve th	e equati	on:		
	a. 3	<i>n</i> – 2 = 46	b. 20 <i>t</i> =	- 10							
7.	Solv	ve the following:									
	i) I ang	i) In an isosceles triangle, the base angles are equal. The vertex angle is 40°. What are the base angles of the triangle? (Remember, the sum of three angles of a triangle is 180°).									
	ii) L age	ii) Laxmi's father is 49 years old. He is 4 years older than three times Laxmi's age. What is Laxmi's age?									
8.	Set	Set up equations and solve them to find the unknown numbers in the following cases:									
	i) One-fifth of a number minus 4 gives 3.										
	ii) If I take three-fourths of a number and add 3 to it, I get 21.										