

OSDAV Public School, Kaithal First Term Exams (2024-25) Class: VII Subject: Mathematics

SET- A

M.M.: 60

Time:	2	hrs.20	mins
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(Jeneral Instruc	ctions: - All questi	ons are compulsory.	•		
Q.N.			Questions		Marks	
1		_15	Section A		1	
1.	Absolute valu	le of $\frac{-15}{29}$ is :			1	
	$(a)\frac{-15}{29}$	$(b)\frac{29}{-15}$	$(c)\frac{15}{29}$	$(d)\frac{-29}{15}$		
2.	The observati	on that occurs max	kimum number of tim	nes in a data is called:	1	
	a)mean	b)median	c)mode	d)range		
3.	0.245 express	ed as a rational nu	mber is –		1	
	a) $\frac{245}{100}$	b) $\frac{49}{200}$	$c)\frac{245}{10}$	$d)\frac{49}{20}$		
4.	Identity eleme	ent of multiplicatio	on is:		1	
	a)0	b)1	c)2	d)3		
5.	1.5x0.4 =	••••			1	
	a)60	b)0.60	c)6.0	d)0.06		
6.	Value of $\left(\frac{-5}{9}\right)$	$)^{8} \div (\frac{-5}{9})^{4}$ is-			1	
	a) $(\frac{-5}{9})^2$	$b)(\frac{-5}{9})^{32}$	$c)(\frac{-5}{9})^{12}$	d) $(\frac{-5}{9})^4$		
7.	Multiplicative	e inverse of $\frac{-5}{11}$ is :			1	
	a) $\frac{-5}{11}$	b) $\frac{-11}{5}$	$c)\frac{11}{5}$	d) $\frac{5}{11}$		
8.	Standard form	n of $\frac{21}{39}$ is :			1	
	a) $\frac{7}{13}$	b) $\frac{39}{21}$	$c)\frac{21}{39}$	$d)\frac{-7}{13}$		
9.	3.5×10^{-2} is e	equal to-			1	
	a)3500	b)0.035	c)0.0035	d)0.00035		
10.	Value of 30%	of 150 is-			1	
	a)45	b)35	c)25	d)15		
11.	Profit% or los	ss% are always cal	culated on-		1	
	a)cost price	b)selling price	e c)marked pric	e d)rate of interest		
12.	Assertion: M 93	arks scored by sev 3.Then the median	en students in a class is32.	are 18, 21, 21, 32, 36, 50,	1	
	Reason: Whe	n a given data is an dle most observatio	rranged in ascending	or descending order, then the		
	a) Both assertion and reason are correct and Reason is the correct explanation for assertion.					
	b) Both assertion and reason are correct and Reason is not the correct explanation for assertion.					
	c) Assertion is	s true but reason is	false.			
	a) Both assert	tion and reason are	Talse.			
13	Find the value	e of v.	Section-B		2	
15.	$\left(\frac{5}{2}\right)^{3} \times \left(\frac{5}{2}\right)^{5} =$	$-(\frac{5}{4})4x$			2	
1.4	$\left(\frac{-}{7}\right)^{-1} \times \left(\frac{-}{7}\right)^{-1} =$	$\left(\frac{1}{7}\right)^{m}$	-5 3		2	
14.	Find two ratio	onal number betwe	$\operatorname{en} \frac{-3}{6} \operatorname{and} \frac{3}{4}$.		2	

2	
5% per annum? 2	
read as 59.Find the 2	
be equal to $(3)^{-4}$? 2	
2	
re are 320 boys in the 3 number of girls in the	
3	
3	
3	
pal form Also write 3	
iai ioiiii . Aiso, witte	
3	
4	
5% and on the others 4	
(100) as follows: 4	
e S.Science	
85	
63	
ome bakery items for 1+1	+2
Box Of	
ay these items. Il costs Rs 17.25 and	
in	imal form . Also , wtite333425% and on the others425% and on the others4of 100) as follows:4 ce S.Science8585851v some bakery items for1+1Box Of Candles111buy these items. roll costs Rs 17.25 and1



OSDAV Public School, Kaithal First Term Exams (2024-25) Class: VII Subject: Mathematics

SET- B

M.M.: 60

	General Instruc	tions:-All questi	ons are compulsory	•	
Q.N.		-	Questions		Marks
			Section=A		
1.	Value of 40% of	f 200 is-			1
	a) 40	b)30	c)20	d)80	
2.	In a transaction	we get profit who	en -		1
	a) C.P.>S.P.	b) S.P.>C.P.	c) C.P. =S.P.	d)none of these	
3.	Standard form o	$f \frac{45}{60}$ is :			1
	a) 9	$b)^{3}$	$c)^{\frac{45}{45}}$	$d)^{-3}$	
4	$\frac{12}{12}$	<u> </u>	60	4	1
4.	$4.5 \times 10^{\circ}$ is equ	$\frac{1}{1} = 0.045$	>0.0045	100 00045	1
-	a) 4500	b)0.045	c)0.0045	d)0.00045	1
5.	Additive inverse	$e \text{ of } \frac{-15}{17} \text{ is } :$			1
	a) $\frac{-15}{-15}$	b) $\frac{-17}{17}$	$c)^{\frac{17}{17}}$	$d)^{\frac{15}{15}}$	
(17	15	15	17	1
6.	$2.5 \div 0.5 = \dots$		\0.0 5	1\0.005	1
7	a) 5	b)0.5	c)0.05	a)0.005	1
/.	Value of $\left(\frac{-3}{9}\right)^8$	$x \left(\frac{-3}{9}\right)^4$ is-			1
	a) $(\frac{-5}{9})^2$	b) $(\frac{-5}{9})^{32}$	$c)(\frac{-5}{9})^{12}$	$d)(\frac{-5}{9})^4$	
8.	Identity element	of addition is:			1
	a)0	b)1	c)2	d)3	
9.	0.345 expressed	as a rational nur	nber is –	,	1
	$(3)^{345}$	b) $\frac{69}{}$	$()^{345}$	$d)^{69}$	
10	$\frac{u_{100}}{100}$	200		1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	1
10.	The difference b	etween highest a	and lowest observatio	n in a data is called:	1
	a)mean	b)median	c)mode	d)range	
11.	Absolute value of	of $\frac{-17}{19}$ is :			1
	$(a)^{-17}$	$(b)^{\frac{19}{$	$(c)^{\frac{17}{2}}$	$(d)^{-19}$	
12	Assertion Mar	ks scored by seve	en students in a class	are 18 21 21 32 36 50 93 Then the	1
12.	med	ian is32.		are 10, 21, 21, 52, 50, 50, 75. Then the	1
	Reason: When a	a given data is ar	ranged in ascending of	or descending order, then the middle	
	most o	bservation is call	led the median of data	a.	
	a) Both assertion	n and reason are	correct and Reason is	s the correct explanation for assertion.	
	b) Both assertion	n and reason are	correct and Reason is	s not the correct explanation for	
	assertion.				
	c) Assertion is to	rue but reason is	false.		
	d) Both assertion	n and reason are	talse.		
12	Du what averal	r should (1) - 21 - 2	Section-B	a product may be equal to $(4)^{-39}$	2
13. 14	Dy what humber	$1 = 1000 \text{ m} (4)^{-} \text{ De}$	$\frac{110}{100}$ multiplied so that the	z product may be equal to $(4)^{-2}$	$\frac{2}{2}$
1 1 . 15	Demograt 4		y or its 1000 annound	5 to 16 1200 at 570 per aillulli?	2
1.5.	$\frac{\text{Represent} -3}{-3}$	a number line.			
16.	The mean of 15	observations wa	s 50.1t was detected t	hat 95 was misread as 59. Find the	2

	correct mean.									
17.	Find the value of	f x:								2
	$\left(\frac{3}{4}\right)^7 \div \left(\frac{3}{4}\right)^5 = (\frac{3}{4})^5$	$(\frac{3}{3})^{4x}$								
18	5^{\prime}	5´ 1		-3 1 7						2
10.	Find two rationa	i number bet	ween	$\frac{1}{5}$ and $\frac{1}{10}$	<u>.</u>					2
19.	Find the value of r_{10}	f x , if –								2
	$\frac{10}{50} = \frac{x}{45}$									
				Se	ection-C					
20.	Using long divis	ion method,	conver	t the ratio	onal num	ber $\frac{1}{2}$	65 in decima	ıl form . Also ,	wtite	3
	whether it is terr	ninating or n	on ter	minating		i	8			
21.	Show that-	0		0						3
	$\frac{4}{-1} \times (\frac{5}{-1} - \frac{2}{-1}) = (\frac{4}{-1} \times \frac{1}{-1})$	$\frac{5}{-}$) - $(\frac{4}{-}x\frac{2}{-})$								
22	7 7 3 7 7 7 7 7 7 7	$\frac{7}{7}$ $\frac{7}{3}$	1 1 11 11	borg in g	soonding	orda	r			2
22.	3 5 -5 13	owing rationa	11 IIUII		iscenting	, orde	ι.			3
	7, -2, 14, 21									
23.	In a co- educatio	nal school, 4	0% o:	f the tota	l students	s are t	boys . If there	e are 320 boys	in the	3
	school, find the f	total number	of stu	dents in 1	the schoo	ol. Als	o find the n	umber of girls	in the	
24	School.	nadion and n	odo o	f the fall	owing de	oto				2
24.	10.14.26.12.12.1		ioue o		owing u	ila.				5
25.	Simplify:									3
	$\left[\left(\frac{3}{2}\right)^{2}\right]^{3} \times \left(\frac{3}{2}\right)^{-3}$	$x 5^{-1} x (\frac{1}{2})^0$								
		(8)		Se	ection-D					
26.	A man sold two	bed sheets at	Rs60	$\frac{0}{0}$ each. C	On one he	gains	s 20% and o	n the other he	loses	4
	25%. How much	does he gain	n or lo	se in the	whole tr	ansac	tion?			
27.	Verify that: x +(y+z = (x+y)	+z							4
	$x = \frac{3}{2}, v = \frac{5}{2}, z = \frac{5}{2}$	-9								
28	Following data of	l6 rives the max	imum	and min	imum te	mnerg	$ture (in {}^{0}C)$	of the differen	t cities	1
20.	on a particular d	av Plot a do	uhle h	and mini	h from th	nipera is dat	a.	of the unferen	t entes	-
	City	Delhi	Mi	imbai	Patn	a	Chandigar	h Gurugram	1	
	Max. Temp.	25	1,1,1	30	34		25	30	<u> </u>	
	Min. Temp.	20		22	25		20	25		
				Se	ection-E			1	I	
29.	Shreya is calling	some friend	s over	to her p	lace. She	want	ed to buy so	me bakery iten	ns for	1+1+2
	them. She made	a list of all th	ne iten	ns she ne	eded to b	ouy.				
	Item	Patties	5	Mut	ffins	Bre	ead Rolls	Box Of		
								Candles		
	Quantity	6		2	1		2	1		
	Her father gave her a note of Ks 500 and she went to the bakery to buy these items.									
	Each pattles cost KS 22.30, each multin costs KS 11.75, each bread roll costs KS 17.25 and the box of candles costs Rs 54.25									
	i) Find the cost of	of all natties	1.20.							
	ii) Find the cost	of all muffin	s.							
	iii) How much d	id Shreya pa	y total	bill at th	ne bakery	r?				



SET-A

Time: 2 Hrs.20 mins M.M.: 60 General Instructions:-I. All questions are compulsory.

Q.N.	Value points /Key points	Marks	M
		allotted	
		to each	
	Section-A	кеу	
1	Section=A	1	1
1.	$(c)_{29}$	1	1
2.	c)mode	1	1
3.	$b)\frac{49}{200}$	1	1
4.	b)1	1	1
5.	b)0.60	1	1
6.	$d(\frac{-5}{9})^4$	1	1
7.	b) $\frac{-11}{5}$	1	1
8.	$a)\frac{7}{13}$	1	1
9.	b)0.035	1	1
10.	a)45	1	1
11.	a)cost price	1	1
12.	a) Both assertion and reason are correct and Reason is the correct explanation for	1	1
	assertion.		
10	Section-B		
13.	Find the value of x: $5 - 2 = 5 - 5 - 4x$		2
	$\left(\frac{3}{7}\right)^{3} \times \left(\frac{3}{7}\right)^{3} = \left(\frac{3}{7}\right)^{4x}$		
	$\left(\frac{5}{7}\right)^8 = \left(\frac{5}{7}\right)^{4x}$	1	
	When bases are same equate the power		
	4x =8		
	$x=\frac{8}{4}$	1	
	x=2		
14.	Find two rational number between $\frac{-5}{4}$ and $\frac{3}{4}$.	1+1	2
	First number: Second Number:		
	$\frac{1}{1}\left(\frac{-5}{5}+\frac{3}{2}\right)$ $\frac{1}{1}\left(\frac{-5}{5}+\frac{-1}{1}\right)$		
	$2 \begin{pmatrix} 6 & 4 \\ 1 & -10+9 \end{pmatrix}$ $2 \begin{pmatrix} 6 & 24 \\ 1 & -20-1 \end{pmatrix}$		
	$= \frac{1}{2} \left(\frac{1}{12} \right) \qquad = \frac{1}{2} \left(\frac{1}{24} \right)$		
	$=\frac{1}{2} \times \frac{-1}{12}$ $=\frac{1}{2} \times \frac{-21}{24}$		
	$= \frac{-1}{-1}$ $= \frac{-21}{-21}$		
15	24 48 Find the value of x if		2
13.	$7 _ x$		
	$\frac{1}{49} = \frac{1}{84}$		
	By cross multiplication	1+1	
	$49x \chi = 84 x /$		

	$\chi = \frac{84 \times 7}{10}$		
	$\mathcal{X} = 12^{49}$		
16.	Principal= Rs1000 Amount= Rs1200 Rate of Interest=5%p.a.	1/2	2
	Simple Interest=1200-1000	1/2	
	=200		
	$Time = \frac{S.I.\times 100}{D.D.L}$		
	$\frac{P \times R.I.}{\text{Time}^{200} \times 100}$	1	
	$\frac{11110}{1000\times 5}$		
17	lime =4 years	1/	2
17.	Mean of 15 observations $=50$ x 15	1/2	2
	=750		
	95 was misread as 59	1	
	Correct sum of observation= 750+95-59	1	
	=786		
	Correct mean= $\frac{786}{100}$	1/2	
	15 = 52.4		
18	$\frac{52.7}{1 \text{ et the required number} = \Upsilon}$	1/2	2
10.	$(3)^{-2} \times \mathcal{X} = (3)^{-4}$	$\frac{1}{2}$	-
	$\frac{1}{2} \mathbf{x} \boldsymbol{\gamma} = \frac{1}{2}$		
	$9 \ 81 \ 22 \ 1 \ 1$		
	$\mathcal{X} = \frac{1}{81} \div \frac{1}{9}$	1	
	$\chi = \frac{1}{21} \times \frac{9}{1}$		
	$\gamma = \frac{1}{2}$		
19	9	1/2	2
17.		/2	2
	$\frac{3}{-7} \times \frac{3}{-1} = \frac{3}{7}$		
	A	1 1/2	
	Point A Represent -3		
	7		
20	Section-C	1/	2
20.	Let the total humber of students- λ % of boys=40	/2	5
	Number of $hovs=320$		
	$40\% \text{ of } \mathcal{X} = 320$		
	$\frac{40}{2}$ x $\chi = 320$	2	
	100^{-100}		
	$\chi = 320 \mathrm{x} \frac{1}{40}$		
	$\chi = 800$		
	Total number of students=800		
01	Number of girls= $800-320=480$	1/2	2
21.	Find the mean, median and mode of the following data. 12+7+14+10+0+7+5+8+7=70		3
	$12^{+}/^{+}14^{+}10^{+}9^{+}/^{+}5^{+}8^{+}/^{-}9^{-}$ sum of observations		
	Mean ⁼ total number of observations		
	$Mean = \frac{79}{2}$	1	
	=8.7		
	Ascending order- 5,7,7,7,8,9,10,12,14		
	Median =8	1	

	Mode =7	1	
22.	Simplify:		3
	$\left[\left(\frac{4}{r}\right)^{2}\right]^{3} x \left(\frac{4}{r}\right)^{-3} x 5^{-1} x \left(\frac{1}{4}\right)^{0}$		
	$=(\frac{4}{7})^{6}x(\frac{4}{7})^{-3}x + \frac{3}{7}x + \frac{3}{7}x$		
	$(5)^{A}$	2	
	$=(\frac{1}{5})^{3}(\frac{3}{5})^{3}(\frac$	2	
	$=(\frac{4}{r})^3 x \frac{1}{r} x 1$		
	$=\frac{64}{3}$	1	
	625		
23	Show that-	$1\frac{1}{2}+1$	3
20.	$\frac{2}{2} \mathbf{x} \left(\frac{4}{2} - \frac{5}{2}\right) = \left(\frac{2}{2} \mathbf{x} + \frac{4}{2}\right) - \left(\frac{2}{2} \mathbf{x} + \frac{5}{2}\right)$	$\frac{1}{2}$	5
	$3^{(5-2)}(3^{5})(3^{2})$		
	L.H.S. K.H.S. 2 .8-25 8 5		
	$= \frac{1}{3} \times (\frac{10}{10})$ $= \frac{1}{15} - \frac{1}{3}$		
	$=\frac{2}{2} \times \frac{-17}{10} = \frac{8-25}{15}$		
	$=\frac{-17}{-17}$		
	15 IHS-PHS		
	L.II.SK.II.S. Hence Showed		
24		2+1	3
21.	8,11250001,15,625	2 1	5
	- 8,4 11		
	4.5		
	650		
	- 48		
	20		
	-16.4		
	- 40		
	0		
	Decimal form = 15.625		
	It is a terminating decimal suprasementer		
25			2
23.			3
	2 5 -7 3		
	3, -5x -7x 3x0	1/2	
	Y 12 16 0		
	362-20, -21/18	$1 \frac{1}{2}$	
	<u> </u>		
	36 -20 -21 18		
	48 48 40 40		
	13 18 18 18	1	
			1
	-7, 5, 3, 3 Ans		
	16 -12 8 4		1
			1
1			1

	Section-D							
26.	Verify that: x	+(y+z) = (x + y)	+ z				2+2	4
	$x = \frac{3}{2}, y = \frac{5}{12}, z$	$r = \frac{-8}{-8}$						
	14	$\frac{21}{2}$	1 = 2)		2 + 2			
		Juice	1.37	100 TI	JJ TZ			
	2	+(5-		(3+	5)+	-8:		
	7	14	3 21)	17	14/	21		
		+(-2	- 84	-(3-	+5)-	8		
		CI-	- 16		52	2		
	7	+ (+3	42).		4) -	21		
	3	1 -1		1-11	x 5 8 x 2	-		
		×6 42	-		21			
		$\frac{3}{7} - \frac{1}{12}$			3-16	- he had		
		8-1	-	1	<u> </u>			
		42	11.	4	2			
		17	2.5	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				
		42						
		175.	+7 =	= 1.7	0.1.0			
		<u> 3 8 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -</u>	42	42	-)		
	<u> </u>	Her	nce	verifi	ect			
27		-	-					4
_ / .	S.P. of one wa	shing machine	= Rs 6000					
	Profit %=25%)					$1 \frac{1}{2}$	
	C P = 6000 x	100						
	10^{-10}	00+25 0						
	C.P.= $6000x \frac{125}{125}$	5						
	C.P.=4800		D (000					
	S.P. of other w	ashing machin	$e = Rs \ 6000$				1	
	Loss% = 25%	00						
	C.P.= $6000x\frac{1}{100}$	0-25						
	C.P.= $6000x^{\frac{100}{2}}$	0						
	$C P = 8000^{75}$							
	Total cost pric	e=4800+8000=	=12800				1/2	
	Total selling p	rice=6000+600	00=12000				1/2	
	Loss =12800-	12000 = Rs800					1/2	
28.	Marks obtaine	d by two girls	of class VII A	in final term ex	kam (out of 10	0) as follows:	$1 + \frac{1}{2}$	4
	Subjects	English	Hindi	Maths	Science	S.Science	$+2 \frac{1}{2}$	
	Monika	75	80	95	70	85		
	Bhavna	72	85	95	85	85		
			Sec	ction-E				
29.	If cost of 1 par	tty=Rs 22.50					1	1+
	Then cost of 6	patties=22.50	x6					
	=Rs135							
	If cost of 1 mu	11.75	- 4				1	
	Then cost of 4 muffins=11.75x4							
	If oust of these	= KS 4	r 5					
	Then cost of 2	au 1011-KS1/.2 bread roll-17	5 25x2				1	
		$= \mathbb{R}^{\circ}$	2372 34 50					
	Total bill=135	-188 +47+34 50+54	25				1	
L	100010111155	1, 51.50-54					-	1

=Rs270.75	



OSDAV Public School, Kaithal Half yearly Exams (2024-25) Class: VII Subject: Mathematics

SET- B

M.M.: 60

Time: 2 Hrs.20 mins General Instructions:-I. All questions are compulsory.

Q.N.	Questions		Marks
	Section=A		
1.	d)80	1	1
2.	b) S.P.>C.P.	1	1
3.	$b)^{\frac{3}{4}}$	1	1
4.	c)0.0045	1	1
5.	$d)\frac{15}{17}$	1	1
6.	a)5	1	1
7.	$(c)(\frac{-5}{9})^{12}$	1	1
8.	a)0	1	1
9.	$b)\frac{69}{200}$	1	1
10.	d)range	1	1
11.	$(c)\frac{17}{19}$	1	1
12.	a) Both assertion and reason are correct and Reason is the correct explanation	1	1
	for assertion.		
12	Section-B Let the required number $= \gamma$	1/	2
13.	Let the required number $-\lambda$ $(\Lambda)^{-2}x = (\Lambda)^{-3}$	72 1/2	2
	$\begin{pmatrix} \mathbf{r} \end{pmatrix} \mathbf{x} \mathbf{x} - \begin{pmatrix} \mathbf{r} \end{pmatrix}$ $1 - \mathbf{x} - 1$	/2	
	16 X X -64 1 64	1	
	$\mathcal{X} = \frac{1}{64} \div \frac{1}{16}$		
	$\chi = \frac{1}{1} \chi \frac{16}{16}$		
	64 1 $\gamma = 1$		
1.4	$\frac{\lambda - \frac{1}{4}}{2}$	17	
14.	Principal= R\$1000 Amount= R\$1200 Rate of Interest=5%p.a.	1/2 1/	2
	=200	72	
	Z00 Timo_S.I.×100		
	$\frac{11110}{P \times R.I.}$	1	
	$Time = \frac{200 \times 100}{1000 \times 5}$		
	Time =4 years		
15.	Represent $\frac{4}{-3}$ on a number line.		2
	$\frac{y}{x-1} = -\frac{y}{2}$		
	-3 x-1 0		
	$\begin{array}{c} A \\ \hline \\ -4 \\ -2 \\ -2 \\ -1 \\ 0 \\ 1 \\ 2 \\ 3 \\ 1 \\ 0 \\ 1 \\ 2 \\ 3 \\ 1 \\ 1 \\ 2 \\ 3 \\ 1 \\ 1 \\ 2 \\ 3 \\ 1 \\ 1 \\ 1 \\ 2 \\ 3 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$		
	100 100 100 100 100 100 100 100 100 100		
	Paint A represent -4		
	3		

16.	Mean of 15 observations =50	1/2	2
	Sum of 15 observations $=50 \times 15$		
	=750		
	95 was misread as 59 Correct sum of chapmation = 750+05, 50	1	
	=786	1	
	$C_{\text{orrest mann}}^{786}$		
	Correct mean-	1/2	
17	=52.4 Find the value of x:		2
17.	Find the value of X. $(^3)^7$, $(^3)^5$, $(^3)^4x$		2
	$\left(\frac{1}{5}\right) \div \left(\frac{1}{5}\right) = \left(\frac{1}{5}\right)$		
	$\left(\frac{3}{5}\right)^2 = \left(\frac{3}{5}\right)^{4x}$	1	
	When bases are same equate the power		
	4x = 2		
	$X = \frac{2}{4}$	1	
	$x = \frac{1}{2}$		
18	2	1+	2
10.	First number: Second Number:	1	-
	$\frac{1}{1}\left(\frac{-3}{-3}+\frac{7}{-1}\right)$ $\frac{1}{1}\left(\frac{7}{-1}+\frac{1}{-1}\right)$		
	$\begin{bmatrix} 2 & 5 & 10 \\ -1 & -6+7 \\ 0 & 0 \end{bmatrix} = \begin{bmatrix} 2 & 10 & 20 \\ -1 & 1 & 1+14 \\ 0 & 0 \end{bmatrix}$		
	$\begin{bmatrix} -\frac{2}{2} \begin{pmatrix} 10 \\ 1 \end{pmatrix} & -\frac{2}{2} \begin{pmatrix} 20 \\ 15 \end{bmatrix} \end{bmatrix}$		
	$=\frac{1}{2} \times \frac{1}{10} = \frac{1}{2} \times \frac{13}{20}$		
	$=\frac{1}{3}$ $=\frac{3}{3}$		
19.	Find the value of x, if $-$		2
	$\frac{10}{x} = \frac{x}{x}$		
	50 45 By cross multiplication		
	$50 \times \mathcal{X} = 45 \times 10$	1	
	$\Upsilon = \frac{45 \times 10}{100}$	1	
	$\frac{x}{x-0}$ 50	1	
	x - 9 Section-C		
20		2+	3
	20-023	1	-
	65 8165.000		
	8 16111		
	000		
	50		
	401		
	Ans > 20.625 20		
	16		
	··· Towner head in the		
	- ienruriating 40		
	decimal representation 40		
	×		
	and a start of the		

24.

$$-10_{2}, -11_{2}, 12_{2}, 12_{2}, 14_{2}, 26_{2}$$

 Mean z-
 $11_{2}, 12_{2}, 14_{2}, 26_{2}$

 Burn of elsenvation - $10 + 11 + 12 + 12 + 12_{2} + 12_{2}$
 $11_{2} + 26_{2}, 91_{2}$

 Na of elsenvation - $13^{12} + 12_{2} + 14_{2} + 12_{2}$

27.							2+	4
	1-2201 - Louge & Ware and Class						2	
	3c + (u + 2) $6c + u + 2$							
	3 45 10-91 200 (3,5)+-9							
	4 (8 16) (9 8/16							
	$-\frac{1}{2}$, $(10-9)$ $-\frac{1}{2}$, $(-10+5)$, -9							
	<u>[4 16] [78] +6</u>							
	1-3-1							
	7 10 8 6							
	= 12T							
	- [3							
	16 216							
	THREBHR							
	Henceverified							
28	Following data gives the maximum and minimum temperature (in ${}^{0}C$) of the different cities on a particular day. Plot a double bar graph from this data:						$\frac{1}{2}$ 4 +1	4
20.								
	City	Delhi	Mumbai	Patna	Chandigarh	Gurugram	+2	
	Max Temp	25	30	34	25	30	$\frac{1}{2}$	
	Min Temp	20	22	25	20	25		
	Section-E							
29	If cost of 1 patty=Rs 22.50 Then cost of 6 patties=22.50x6 =Rs135 If cost of 1 muffin=Rs 11.75 Then cost of 4 muffins=11.75x4						1	1+1+2
<i>27</i> .							1	1 1 1 2
							1	
							1	
	$= \operatorname{Re} 47$							
	The set of thread roll-Rs17 25						1	
	Then cost of 2 bread roll= 17.25						1	
	$-D_{0}24.50$							
	$-K534.30$ Total bill=125 \pm 47 \pm 24 50 \pm 54 25						1	
	$-\mathbf{P}_{0}270.75$						1	
	-KS2	/0./3						