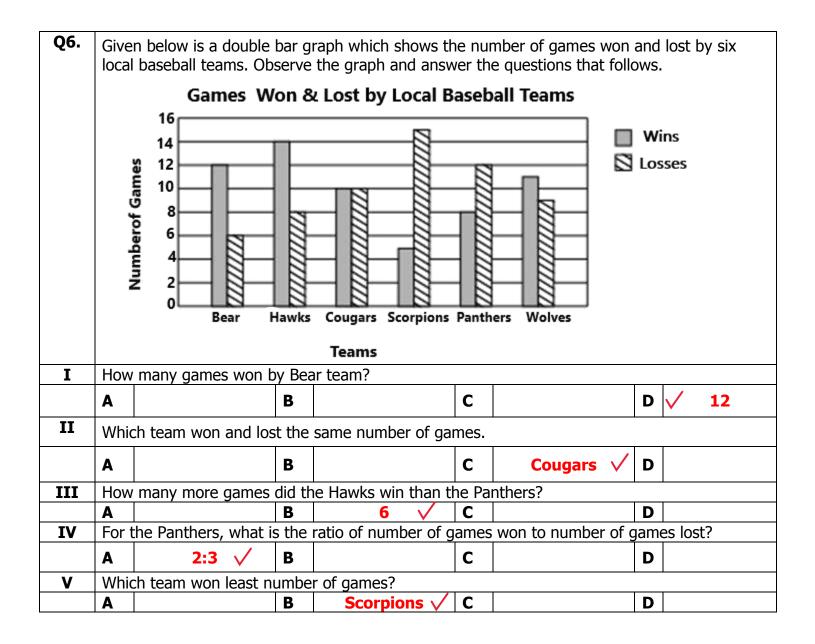
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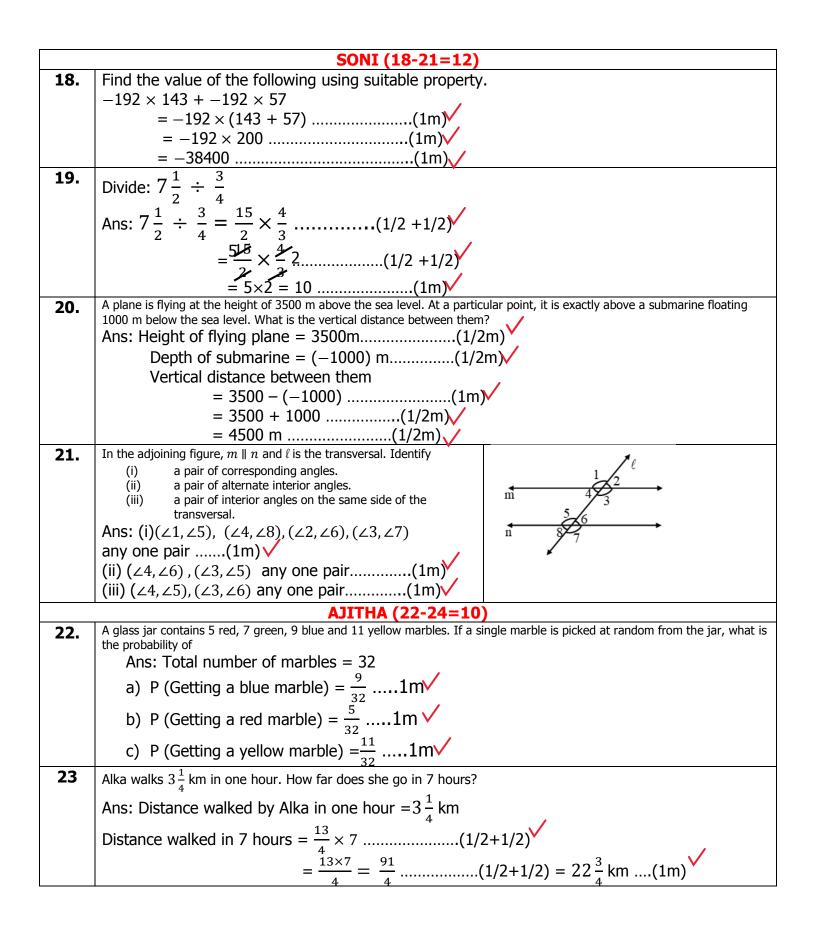
## INDIAN SCHOOL AL WADI AL KABIR

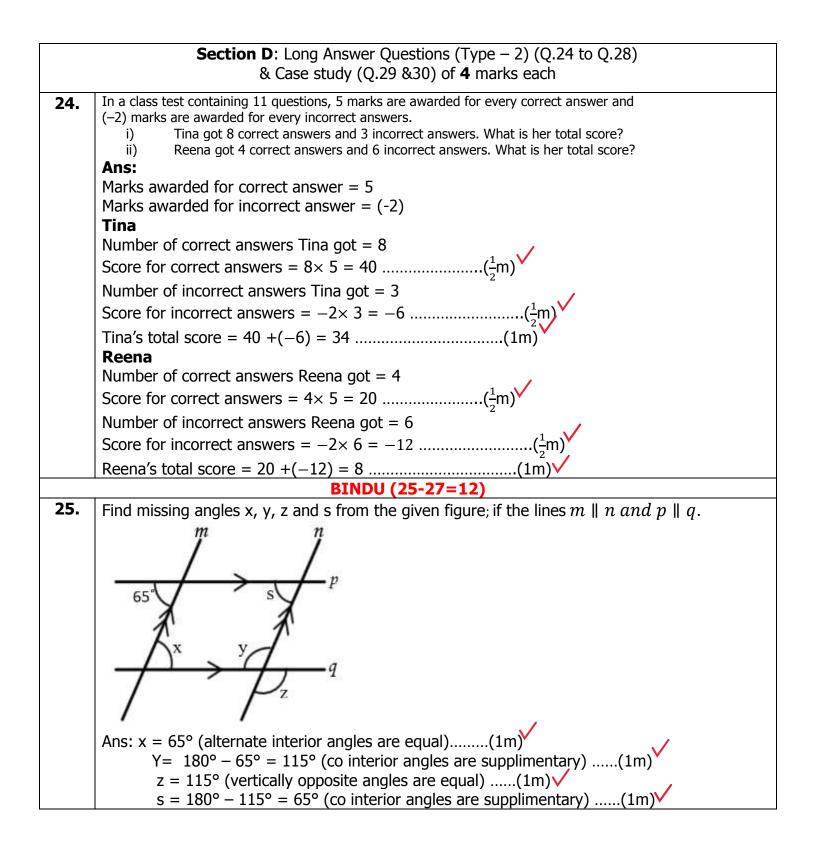
			Mid	d-Term Examination	n (202	22-23)		
Clas	ss: VI	Ι	Sub:	MATHEMATICS		Ν	Iax	Marks: 80
Date	e: 27/	/09/2022		Set - I		7	Time	e: $2\frac{1}{2}$ hours
Instr	uction	<i>ıs:</i>				<b>N</b>		2.
Section Section	on B: S on C: L on D: L	hort Answer Questions ong Answer Questions ong Answer Questions	of 2 m (Type - (Type -	to Q.5) & Source based ( narks each (Q.7 to Q.15) – 1) of 3 marks each (Q. – 2) (Q.24 to Q.28) & Q.30) of 4 marks each	- 16 to (	r 27	Тур -09-	e text here 2022
	Sec	tion A: Multiple Ch	oice Ç	Question (Q.1 to Q.5)	) of <b>1</b>	mark each <b>ARSHA</b>	(1-	6=10)
1.		e equation for the f more than seven tir		ring statement: number is thirty-fou	r″			
	Α		В	7y + 6 = 34 √	С		D	
2.		the range of the we 50, 47, 50, 47, 57, 5	-	s (in kg) of the stude 5, 53.	nts of	a class given below	:	
	Α		В		С	15√	D	
3.	Find	the pair of integers	whos	se sum is (–5).				
	Α		В		С		D	√ (-3, -2)
4.	By u	sing decimals expre	ss 112	25 paise as rupees.				
	Α		В	₹ 11.25 🗸	С		D	
5.		o angles are complended of the complended of the complex angle.	ement	tary angles and one	of the	angles is of 52° the	en fi	nd the measure
	Α	38° 🗸	В		С		D	
			Sou	urce based Questic	on (O	.6)-5 Marks		



Section	on B: Short Answer Questions (Type – 1) of 2 marks each (Q.7 to Q.15) SHEENA (7-12=12)
7.	Find the product: $(-20) \times (-4) \times 15$
	<b>Ans:</b> (−20) × (−4) × 15
	= 80 × 15(1m)
	= 1200(1m)
8.	From the given figure write the names of the
	following angles:
	a) A linear pair b) A pair of complementary angles.
	Ans:
	a) A linear pair :
	$(\angle NQP, \angle PQM)$ or $(\angle NQL, \angle LQM)(1m)$
	b) A pair of complementary angles. $(\angle NQP, \angle PQL)$
	(ZNQP, ZPQL)
9.	Find $\frac{3}{7}$ of 24 Liters
	$\Lambda$
	Ans: $\frac{3}{4}$ of $24 = \frac{3}{4} \times 24$
	$= \frac{3}{4} \times \frac{5}{4} \dots \dots (1m)$ = 3 × 6 = 18 litres (1/2 m)
	$= - \times / + \dots (1m)$
	$= 3 \times 6 = 18$ litres
10.	Use the sign of >, < or = in the box to make the statements true. -7 + 15 $-7 - 15$
	Ans: LHS = $-7 + 15 = 8$
	$RHS = -7 - 15 = (-7) + (-15) = -22 \dots (1m)$
	Comparing: $8 > -22$ ,
	Comparing; $8 > -22$ - 7 + 15 > $7 - 15$
11.	Solve the equation: $3x + 2 = 17$
	Ans: $3x + 2 = 17$
	3x = 17 - 2(1/2m)
	3x = 15(1/2m)
	$x = \frac{15}{3} = 5$ (1/2m +1/2 m)

12.	• Lines $l \parallel m$ ; and t is a transversal. Find the angles a and b. <b>Ans</b> : a = 110° (vertically opposite angles are	
	equal)(1m) b = 180° - 110° = 70° (co interior angles are	ι
	supplementary)(1m) $\checkmark$ (contended ungles une	m
	JOBBY (13-17=12)	
13.	working)	ation or not? (Show
	5x - 2 = 14; (x = 2)	
	<b>Ans:</b> LHS = $5x - 2 = (5 \times 2) - 2 = 10 - 2 = 8$ (1m) RHS = 14	
	$IHS \neq RHS$ (1/2m)	
	X = 2 is not a solution of the given equation(1/2m)	
14.	Find the median of the following data: 61, 43, 127, 99, 41, 92, 71, 58, 57.	
	<b>Ans:</b> Arrange in ascending order: 41, 43, 57, 58, 61, 71, 92, 99, 127	.(1m) 💙
4.5	$n = 9, \frac{n+1}{2} = \frac{9+1}{2} = \frac{10}{2} = 5^{\text{th}} \text{ observation} = 61 \dots (1m)$	
15.	Find the value of the following: A) $0.0805 \times 100 = 8.05(1n)$	
	B) $64.32 \div 10 = 6.432(1m)$	
	Section C: Long Answer Questions (Type – 1) of 3 marks each (Q.16 t	o Q.23)
16.		
	Ans: $(p-3) = \frac{16}{4} = 4$ (1m)	
	$p = 4 + 3 \dots (1m)$	
	= 7(1m)	
17.		
	29, 30, 25, 27, 40, 39, 42, 19, 28. Find the mean of the data. <i>sum of observations</i> 29+30+25+27+40+39+42+19+28	
	Ans: Mean = $\frac{sum \ of \ observations}{no.of \ observations} = \frac{29+30+25+27+40+39+42+19+28}{9} \dots$	(1m)
	$=\frac{279}{9}$ (1m)	
	= 31 (1m)	





26.	A car covers a dist	tance of 183.9 km	in 3 hours.		
	a) Find the distant	ce covered by the	car in one hour?		
	b) Find the distant	ce covered by the	car in 2.5 hours?		
	Ans:				
		overed in 3 hours =			
	Distance co	overed in 1 hour =	$\frac{183.9}{3}$	.(1m)	
		=	= 61.3km	(1m)	
	b) Distance co	overed in 2.5hours	= 61.3 × 2.5	(1m) 🗸	
			= 153.25km	(1m)	
27.			8 years older than t	wice Anil's age. W	hat is Anil's age.
	Ans: Let Anil's age	e is x years	$\checkmark$		
	Mother's age =	$= 2x + 8 \dots (1/2)$	2m)		
	Equation formed is	s 2x + 8 = 60			
		2x = 60 - 8 = 52.			
		$X = \frac{52}{2} = 26$	(1+1/2m)		
	□ Anil's age is 2	6 years			
		SERE	EENA (28-30=12)		
28.	_		er of girls and boys graph to represent t		e part in different
	Sports	Hockey	Badminton	Football	Cricket
	Boys	30	50	80	70
	Girls	20	60	40	30
	Ans: 1 mark for	each bars $\checkmark$	1		

	A		В			C	$\checkmark$		+ <b>10</b>		D		
II.	Write the	e expressio	on for B		$\frac{1}{x - 3}$	arbles	Kan	iha h	as.		D		
III.		netime Kar	_			or play	na.	He sa	avs tha	t he h		marbl	es mor
	five time	s the numb	per of	marbles	s Veena ha	as. If k	arar	n has	36 mai				
	of marbl	es, write th	ne equ B	uation to	) represer	nt the	state	emen	t.			/5x	+ 6 =
IV.		ished playi		ev want	ed to eat	-	can	dipc	Kaniha	bica	<b>`</b>	•	
1		on the tabl											are (J
	Α		В	$\checkmark$	17	С					D		
4iya w and CI	D are two st $T = 70^{\circ}$ and What is	a toy butter icks intersec $\angle DOP = 5$ the value	ting at $5^{\circ}$ . Ba	t O and a used on t	a third sticl	c OP is nforma	also tion	joined	to hold er the fo	the t	oy but ng que	tterfly. estions	. From t
Aiya w and C[ ∠ <i>BOC</i>	vas making D are two st $T = 70^{\circ}$ and	a toy butter icks intersec $\angle DOP = 5$	ting at 5°. Ba	t O and a used on t	a third sticl	c OP is nforma	also	joined	to hold	the t	oy but	tterfly. estions	. From t
Aiya w and C[ ∠ <i>BOC</i>	vas making D are two st = 70° and What is A	a toy butter icks intersec $\angle DOP = 5$	ting at $5^{\circ}$ . Ba of $\angle A$	t O and a ased on t 4 <i>OD</i> .	a third stick he above i	c OP is nforma	also tion	joined	to hold er the fo	the t	oy but ng que	tterfly. estions	. From t
Aiya v and CI ∠ <i>BOC</i> <b>I</b>	vas making D are two st = 70° and What is A	a toy butter icks intersec $\angle DOP = 5$ the value	ting at $5^{\circ}$ . Ba of $\angle A$	t O and a ased on t 4 <i>OD</i> .	a third stick he above i	c OP is nforma	also tion	joined	to hold er the fo	the t	oy but ng que	tterfly.	Vertic
Aiya v and CI ∠ <i>BOC</i> <b>I</b>	vas making D are two st = 70° and What is A The ang A	a toy butter icks intersec $\angle DOP = 5$ the value	ting at $5^{\circ}$ . Ba of $\angle A$ of $\angle A$ and <b>B</b>	t O and a ased on t AOD. $\angle BOD$	a third stick he above i are	¢ ÕP is nforma	also tion C	joinec answe	to hold to hold the for <b>70°</b>	the t	oy but	tterfly.	Vertic
Miya w and CI <u>∠BOC</u> I II	vas making D are two st = 70° and What is A The ang A Which o	a toy butteri icks intersect $\angle DOP = 5$ the value les $\angle AOC$	ting at $5^{\circ}$ . Ba of $\angle A$ of $\angle A$ and <b>B</b>	t O and a ased on t AOD. $\angle BOD$	a third stick he above i are	¢ ÕP is nforma	also tion C	joinec answe	to hold to hold the for <b>70°</b>	the t	oy but	tterfly.	Vertic
Miya w and CI <u>∠BOC</u> I II	vas making D are two st = 70° and What is A The ang A Which o A V 240	a toy butterficks intersect $\angle DOP = 5$ the value les $\angle AOC$ f the follow	ting at $5^{\circ}$ . Ba of $\angle 4$ <b>B</b> and <b>B</b> wing <b>B</b>	t O and a ased on t 40D. ∠BOD is adjac	a third stick he above i are	¢ ÕP is nforma	also tion C C	joinec answe	to hold to hold the for <b>70°</b>	the t	oy but ng que D D	tterfly.	. From t