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D - \$1

3)

5) C

8)

(01

B

	25	PAGE NO: Z
12_	D	
13	A	
14	P	
19	D	- b
16	d	
ay.		
17	d	
18	C.	
19	4	
20	A	
	•	
21	C, E, G, I, A	
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AME	:	Islutha
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22 h	Euclid's axiom: Opposite angles are parally to each
	other and equal to each other
231	Ц
	Augest
2) 11	rages
24	
	7+352
	= 1
	10 /2
	÷ 1
	10
25	Given
	The bisector AD of CA is perpendicular to side BC
	To prove: AB= CA and DABC is isocales A
	Proof: (A (common)
	A = LD (Parallel)
	Dis ruid point of BC
	CA is common for Bac BDc
	BD = DC (Dis common)
	SO ABILAC (As parallel opp any opposite angle

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$$26 \ \alpha x^3 + 3x^2 - 3 = R_{1} = 0$$

$$\alpha(4)^3 + 3(4)^2 - 3 = 0$$

$$Q(12)+8-3=0$$

line I is a bisector of angle < A and B is any point and BP & BOI ONE PERPENDIUCIONS from 15 to the arms

To prove: i) APB = DAOIB

Proof: BIS COMMON FOR / APIB 4 (APB

B is midpoint for orap

DAPB & DAGIB

ROLL NO: 20 (MIS 002 B PAGE NO: 5 MOL NAME: Ishitha 28 6 Griven, ABOD is a traperrum in which AR 11 DC, BD is a diagonal and E is the midpoint Prove: Eis midpoint of Be F is common for (1) E 18 comoon for D&A Ely = are paralle D& D are opposite angus A 3 vertically. C; A our vortically opposite angles Bc are vertically opposite and Bx Fis the model le Point of BC i. F is the mid point of Age (in years) Number of Chlidren Dane la graph paper !! 3-3 5-7 MERU SCHOOL

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	1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1
30 b)	Given, Two congruent circles interest each other ad
	Pornt A & B - Though any line Segment, PAGI is drawn
	9 on the two circles
	Prove: BP-BO1
	- Bis parallel to A
	and P& of one Vertical opposite
	B is the mid point P & On
	BP = BO1
31)	Buse dermeter - 14m, 5m wide
	h = 24
	Rs = 25 per maus
	14 × 5×7 \$ *26 = \$17500
32a) >c = IP+q+VF-q
	JP1+ 9 - JP-9
	(P+Q)2 + (JP-q)2
	(P49)2+(P/9)2
	$= 9^2 + 2p \propto +9 \approx 0$
	TS:
l III	

PAGE NO: 7 NAME: Ishitha 33) Given i) ABC is a right angle-friangle at a & C. M is the Midpoint of Hypotenous AB-C Such is Doined to Produced to a point D such that DM = CM. Point Dis voined to M- and produced at a point Do such that pm = cm Point D is voiced to point B Prove: - NAMC & DBMD ii) CDB(i) or night angle in ADBC = DACO Anglich is vertically opposite to emgli Leis vortically opposite to angle M is the mid Point (common) DAMC > ABMD (vertically opposite (mglis) M/s also COM

M

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11)	LDBC is a right angle as
	LDBC make a 90' curve and they
	are complementerry
	: Thus mating though a stight angle
ii)	Mis midpoint (common)
/	LD is parallel to LC
	CA îs parallel +0
	LB
	BOTH DDBC = G DACB
	are complementory and care
	90 °
	DDBC = DACR
	A
	B

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36)	
36.1	16 feachers
	58 girus
36111	58 gjrus 37 boys
37);	semperimeter = statble -
	$S = \frac{\alpha + b + c}{z}$
	2
	S= 24 + 26 + 22
	S= 72
	2
ii)	Area = Lxbxh
1	2
	= L X 22 X 128
	$\frac{2}{5} = \frac{1}{2} \times \frac{2648}{2}$ $\frac{2}{2} \times \frac{12}{2} \times$
(vi	S = a + b + e = 120 + 112 + 2
	2 2 2 2 2
	= 432
	$A = \frac{1}{2} \times b \times h = \frac{1}{2} \times 22 \times 120$ $= \frac{1}{2} \times 15 \times 10$
	= Lx 1540
	2

M

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38 1	180	
14)	90'	
7.		
		iei
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D. C.
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Book Bird