Model Paper Mathematics Grade 8

General Instructions:

- 1) Write Roll Number in **digits**.(Figures) on Computerized Answer Sheet (The Sheet on which students mark the correct answer of objective questions). In the absence of your Roll No your scores would not be identified and allocated to you.
- 2) Read each question carefully before answering. Attempt all questions. There is no choice in questions.
- 3) Students are not allowed to take the Question Paper/Answer Sheet out of the Examination Centre.
- 4) Mark the correct option of MCQ with sign ☑ with a Black Ball Point, on the computerized answer sheet. If a student marks two or more boxes, or one sign ☑ touches two boxes or the sign ☑ is within two boxes without touching anyone, the computer will score ZERO for such questions.
- 5) Students are not allowed to mark in the boxes made against the open ended questions serial numbers. The teachers will score your questions and then mark your score in the related box. If any two boxes are marked then computer will give you ZERO mark. The example of an objective question is given below.

Example:

1. The symbol to express "number 10" in Roman Numeral system is.

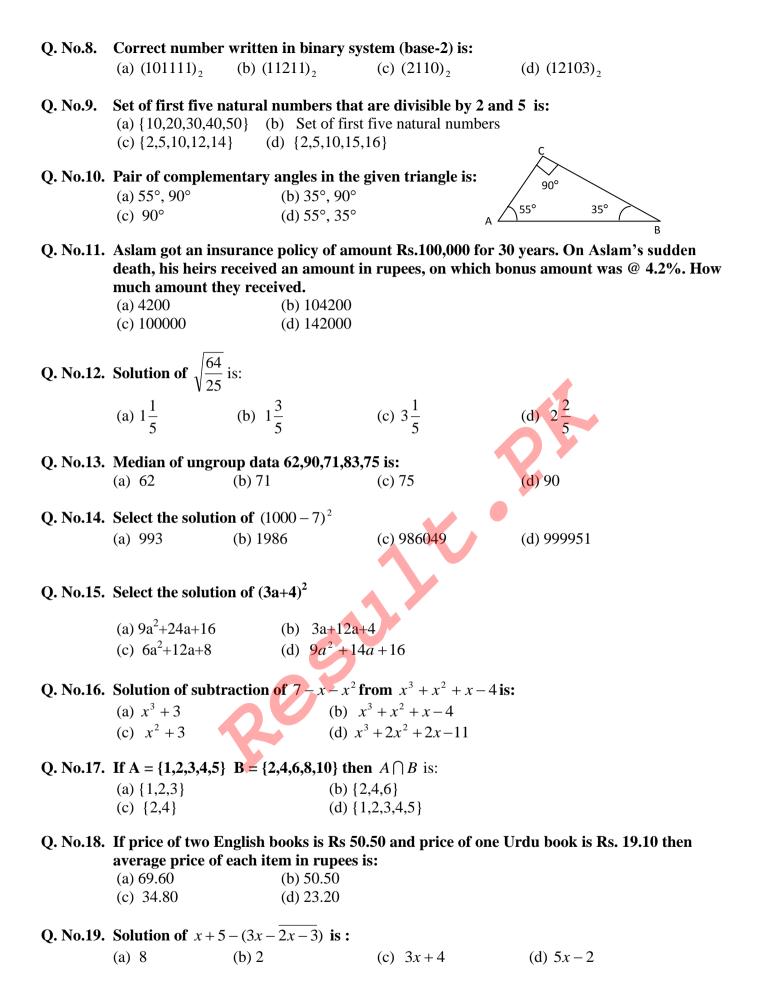
(a) V Correct method to answer:	(b) N	1	(c) X		(d) L
Q.1	(a) □	(b) □	(c) ✓	(d) □	

Part-A (Multiple Choice Questions)

Time Allowed: 1 hour 20 minutes

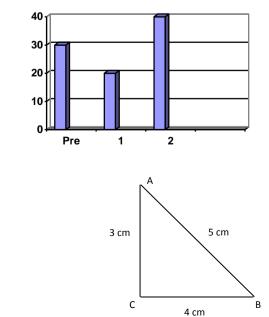
Instruction:- Forty (40) Multiple Choice Questions (MCQs) are given in this part. Attempt all questions. All questions carry equal marks. Mark correct option on computerized answer sheet.

Q. No.1.	If (-101) + (101) : (a) Reflexive Pro (c) Transitive Pro	operty	(b) Symmetri	ic Property		
Q. No.2.	Approximate val (a) 4.23				<i>decimal</i> places is: (d) 4.25	
Q. No.3.	0	t an iten (b) Loss		-	rice was Rs. 21896, (d) No Loss	so he sold an item in
Q. No.4.	If U={1,3,5,7,9} (a) { } (c) {1,5,7}				et A is:	
Q. No.5.				2,4,5,4 lies the	en frequency of clas (d) 2	s interval is:
Q. No.6.	Set A = {5,3,4,1,2 (a) {1,2,3,4,4,5} (c) {1,3,2,4,5}		(b) {1,2,3,5}	,5}		
Q. No.7.	Square root of 1 2 (a) 10		l	(c) 12	(d) 21	



			1		1
		C.I	Tally Marks	Frequency	
		15		8	
		610		3	
		1115		5	
	(a) 1441111, 111, 1744 (c) 141 174, 14, 141	• •	111111, 111, 1111 14441, 111, 11111	I	
. No.21.	If a line segment m segment is	$\overline{AB} = 6$ cm	is divided in	to ratio of 1	1:1 then length of each new line
	8	o) 5cm	(c) 2	3cm	(d) 2cm
. No.22.				-	cm , then its volume will be:
	(a) $24.17cm^3$ (b)	b) 25.14 <i>cm</i>	c^{3} (c)	$150.86cm^3$	(d) $542.57 cm^3$
. No.23.	Curved surface are (a) $21cm^2$ (c) $10cm^2$	(b) 6	•	r cone is:	7cm 3cm
. No.24.	Product of 2.25	and 1 3 is.			Juni
		(b) 2.925	(c) (3.550	(d) 2.725
. No.25.	Mean of the data 1				
	(a) 32 (b) 10	(c)	8	(d) 27
. No.26.	In a given right and (a) 10 (c) 2	gle triangle (b) 14 (d) 48		5:	G B B B B B B B B B B B B B B B B B B B

Q. No.27. Graph shows strength of students in each class of a school, total number of students in these classes are:



(a) 20	(b) 90
(a) 20	(b) 90

(c) 30 (d) 40

Q. No.28. Area of triangle of given vertices is:

Q.

Q.

Q.

Q.

Q.

Q.

- (a) $6cm^2$ (b) $36cm^2$
- (c) $12cm^2$ (d) $19cm^2$

Q. No.29.	-	te of radius 6 cm is: (b) $108 \pi cm^3$	(c) $200 \pi cm^3$	(d) 288 πcm^3	
Q. No.30.	In the following	perfect square expre	ssion the missing to	erm is:	
	()-1	2x + 9			
	(a) $4x^2$	(b) $16x^2$	(c) x^2	(d) $2x^2$	
Q. No.31.	paid @ 10% is:	r cycle is Rs.54000 th (b) Rs 5400			-
Q. No.32.		one is 18 cm ² and its			
		(b) 36cm ³	_		
Q. No.33.	If written price (a) Rs 20	of an item is Rs 1500 (b) Rs 1500 (c) Rs		5% on the item Rs 75	is:
Q. No.34.	If 4,8∈Q an (a) Trichotomy F (c) Multiplication	1 •	Q such that 4(-5) > (b) Transitive Pro (d) Additive Prop	perty	ed, is:
Q. No.35.	Length of side o (a) 10.3	f a square of area 10' (b) 10.4	7 m² (in m) is: (c) 10.5	(d) 10	.6
Q. No.36.	between:	0 kg food sufficient f 1 (b) food and			proportion exists
Q. No.37.	 Factorization of (a) (x+10) (x-2) (c) (x-10) (x-2) 	(b) (x	-10) (x+2) +10)(x+2)		
Q. No.38. Amount of income tax of a person @ 10% whose annual income is Rs125000 while amount of rebate is Rs 100000 will be:					
	(a) Rs. 250	(b) Rs. 2500	(c)) Rs. 350	(d) Rs. 3500
Q. No.39.	Number of class taken as 10	es formed from data	45,65,80,96,80,75,5	56,96,62,78 if size	e of class interval is
	(a) 5.1	(b) 51	(c) 10	(d) 6	
Q. No.40.		(b) 51 simultaneous linear (