INDIAN SCHOOL MUSCAT	MIDDLE SECTION	2017 - 2018
CLASS: 5	FIRST TERM EXAMINATION - MATHEMATICS	
18. 09. 2017	KEY + MARKING SCHEME	MAX. MARKS: 80

SECTION: A − Q 1 − '1' MARK EACH

SR. NO.	WORKING		MKS.	SR. NO.	WORKING	MKS.
1.	a) XLV	b) 2	1 or 0		d) QP & QR	½ + ½
	c) $\dfrac{1000000}{100}$ = 10,000		½ + ½		e) 7 x 4 = 28	½ + ½
	Match the Following: 1(f) ---- (iii) 1(g) ---- (v) 1(h) ----- (iv) 1(i) ----- (ii) 1(j) ----- (i)					1 each

SECTION: B − Q 2 TO Q 6 − '2' MARKS EACH

SR. NO.	WORKING		MKS.	SR. NO.	WORKING	MKS.
2.	Given Digits 8, 5, 9, 2, 6, 1			3.	42	
	Smallest 7-digit no. formed = 11,25,689		1 or 0		2 x 21 or 6 x 7 or 3 x 14	1
	Greatest 7-digit no. formed = 99,86,521		1 or 0		2 x 3 x 7	1
4.	2914 x 45			5.	CP = Rs580 ; SP = Rs440	
	14570	(x 5)	1		CP > SP ---- Hence Loss	
	116560	(x 4)	½		Loss = CP – SP = 580 – 440	1 ½
	1,31,130	Answer	½		= Rs140	½
6.	(a) Obtuse Angle (b) Straight Angle (c) Acute Angle (d) Right Angle ½ each					

SECTION: C − Q 7 TO Q 14 − '3' MARKS EACH

SR. NO.	WORKING	MKS.	SR. NO.	WORKING	MKS.
7.	$\dfrac{24}{30}$ = $\dfrac{12}{15}$ = $\dfrac{4}{5}$ Directly divided by 6 and got the answer ----- Give full marks	2 + 1	8.	Sum of Obs. = 10 + 20 + 30 + 50 + 60 = 170	1½
				No. of Obs. = 5	½
				Hence, Ankit's average score = 170 ÷ 5 = 34	1
9.	Sum of the digits = 8 + 3 + 7 + 9 = 27	2	10.	7,00,08,090 = Seven crore Eight Thousand Ninety	1 ½
	27 is div. by 3	½		70,008,090 = Seventy Million Eight Thousand Ninety	1 ½
	Hence 8379 is also div. by 3	½		Placing Correct Commas -- ½ each ; Correct Number Name --- 1 each	

SECTION: C − Q 7 TO Q 14 − '3' MARKS EACH

SR. NO.	WORKING		MKS.
11.	**HCF of 40 & 56**		
	56 ÷ 40		1
	40 ÷ 16		1
	16 ÷ 8 HCF of 40 & 56 = <u>8</u>		½ + ½
13.	(a) ∠ ABC or ∠ CBA or ∠ B		1 or 0
	(b) Point B		1 or 0
	(c) Acute Angle		1 or 0

SR. NO.	WORKING	MKS.
12.	Cost of Laptop & Printer together = Rs1,10,500	
	Cost of Laptop = Rs80,450	
	Cost of Printer = 1,10,500 − 80,450 = Rs30,050	2 + ½
	Statements	½
14.	CP of the car = Rs2, 45,500	½
	OHE = Rs15,800	½
	Actual CP = 2,45,500 + 15,800 = Rs2,61,300	1
	SP of the car = Rs2,85,000	
	Profit = SP − CP = 2,85,000 − 2,61,300	½
	Profit = Rs23,700	½

SECTION: D − Q 15 TO Q 23 − '4' MARKS EACH

SR. NO.	WORKING			MKS.
15.	90 ÷ 35			1
	35 ÷ 20			1
	20 ÷ 15			1
	15 ÷ 5			½
	The greatest no. required = HCF of 35 & 90 = <u>5</u>			½
17.	Ascending order: 57,09,634 < 57,90,643 < 75,09,643 < 75,90,634			4 or 0
	If < sign is not put, give full credit			
	Wrong order - give zero			
19.	5	20 , 25 , 30		1
	2	4 , 5 , 6		1
		2 , 5 , 3		1
		LCM = 5 x 2 x 2 x 5 x 3		½
		= 300		½

SR. NO.	WORKING	MKS.
16.	Four fractions equivalent to 5/7 are: 10/14 ; 15/21 ; 20/28 ; 25/35 or any four equivalent fractions	1 each
18.	(a) 8765 (T) ----- 8770	1 or 0
	(b) 9853 (H) ----- 9900	1 or 0
	(c) M10 = 10, 20, … M20 = 20, …. First 2 CM are <u>20 & 40</u> If the multiples are written directly ---- give full credit	½ + ½ ½ + ½
20.	Wt. of 15 bags of rice = 750 Kg	½
	Wt. of 1 bag = 750 ÷ 15	1
	= 50 Kg	1
	Hence Wt. of 5 bags = 5 x 50	1
	= 250 Kg	½

SECTION: D − Q 15 TO Q 23 − '4' MARKS EACH						
SR. NO.	WORKING		MKS.	SR. NO.	WORKING		MKS.
21.	2346 --- Ends with 6 ---- Is Div. by 2 || 1	22.	No. of votes Mr. Tarun got	3,45,900	
	Sum of the digits = 2 + 3 + 4 + 6 = 15 || 1		No. of votes Mr. Sharma got	2,55,845	
	2346 is div. by 3 || 1		No. of votes Mr. Sinha got	2,39,450	
	It is div. by both 2 & 3 || ½		Total no. of votes cast	8,41,195	
	Hence it is divisible by 6		½		Statements ---- ½ Addition ---- 3 Final answer ---- ½		
23.	$\angle$ AOB = 75⁰ --- Accuracy in measure || 2				
	Vertex ----- 'O' || ½				
	Arms ------ OA & OB || ½ + ½				
	Type ----- Acute Angle || ½				