Ref No. DPSGFBD/Circular/V-X/ 962 /2016

DELHI PUBLIC SCHOOL
Greater Faridabad

Date: September 29, 2016

Dear Parent and Dipsite,

The questions of the fourth edition of 'Magical Math' are as below:-

1. This is divided into three sections – Easy, Medium, Difficult.
   EASY – 4 digits have been placed in order. You need to place the mathematical operators in the correct order in the spaces given to get to the answer given.
   MEDIUM – The four mathematical operators have been given for the equation. Place the four numbers given below the equation in a way to arrive at the answer of the equation given on the right.
   DIFFICULT – Try solving this one in accordance with the above puzzles.
   Place the four numbers given below the equation in the first, third, fifth and seventh boxes and operators of your choice in the remaining boxes in a manner so as to get to the answer.

   The operators : + — × ÷

   Easy

							=	3

3		3		5		9

   Medium

							=	80

3		4		7		9

   Hard

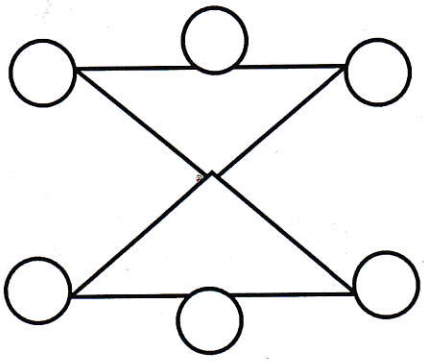
							=	10

1		2		8		9

2. Figures given at the bottom and right hand column of each puzzle is arrived by solving the mathematical equation from the top to bottom and left to right respectively.
   You are allowed to use any number from 0 to 9.
   A number can be used more than once.
   More than one set of solution is possible.

	×	5	×		220
—		×		—	
4	+		×		35
+		—		+	
	/		+	3	4
9		13		2	

3. Here are seven prime numbers: 5, 7, 11, 13, 17, 19, 23. Can you arrange these prime numbers in the seven circles so that the rows and diagonals add upto the same prime number?



4. You need to place the four numbers given below the equation and the mathematical operators in correct order so as to reach the answers.
   Numbers only in the first, third, fifth and seventh box and operators in the second, fourth and sixth box.
   Each of the four numbers is to be used.
   Each number can be used only once. The four maths operators can be used more than once.
   Fill up all seven boxes.

							= 75

÷	×	+	—
5	6	6	9

5. $153 = 1^3 + 5^3 + 3^3$
   Can you find some other three digit numbers like this?

All the best.**Enjoy Magical Math !**

Principal