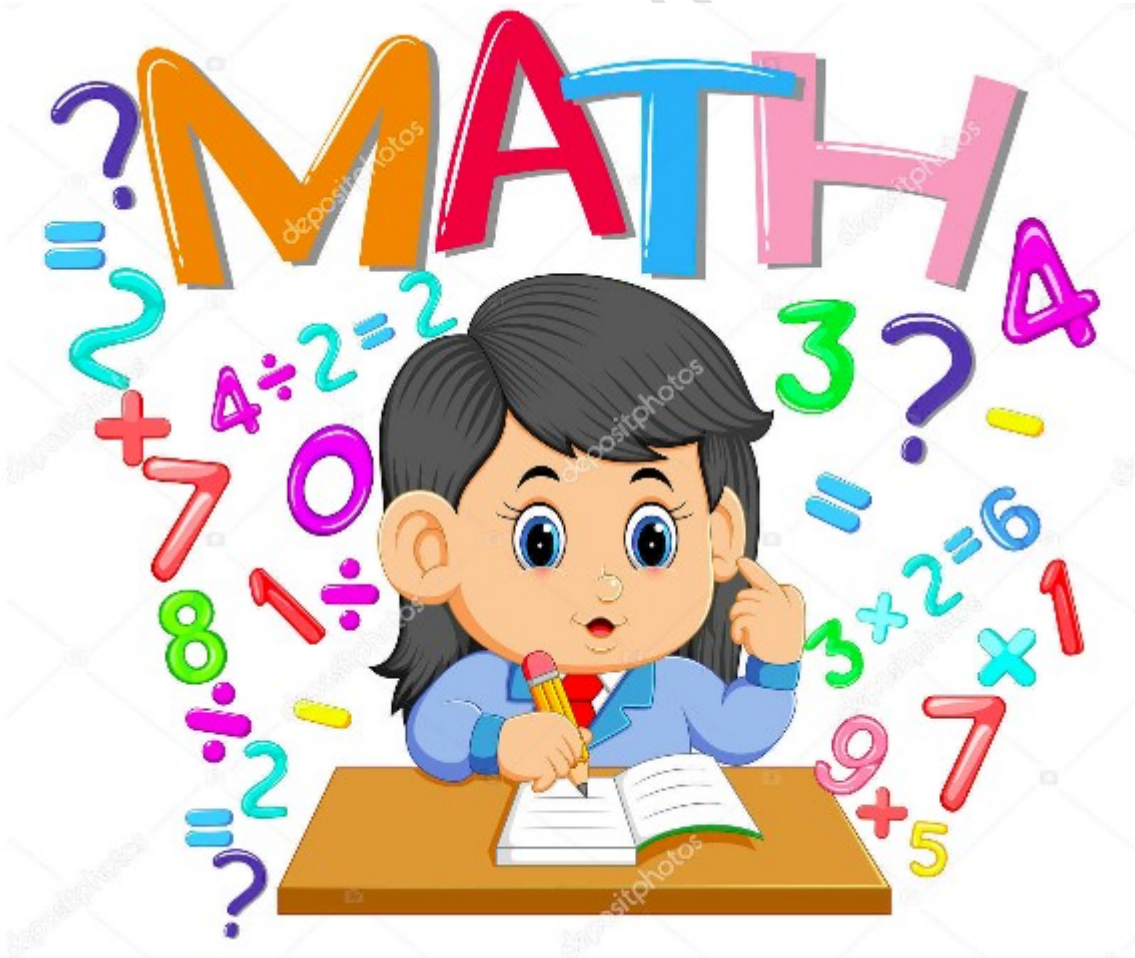


MERUVAMBAYI. M. U. P.
SCHOOL
Worksheet -1.13

1. Number World

11/09/20
V Std



Activity 1

Kaprekar constant

*What is the largest number we can make with the digits
2, 3, 5, 6 without repetition? And the smallest?*

What is their difference?

$$6532 - 2356 = 4176$$

*The digits in this number are 4, 1, 7, 6. If we repeat the
above process with these, we get*

$$7641 - 1467 = 6174$$

*Now repeat this process with this number. What
do you see? You get the same number, right?*

Try with another number like this.

.....

.....

.....

.....

*This was discovered by **D.R. Kaprekar**, who was a school teacher in Maharashtra. The number **6174** is called the **Kaprekar constant**.*

Activity 2

In the budget of a Panchayath, money allotted for various sectors are as shown in this table:

Sectors	Amount (Rs)
Health	1255000
Education	789000
Road Development	2060000
Drinking water	490000

a) Which sector is allotted the largest amount?

.....

b) And the least amount?

.....

c) How much more is allotted to Road development than Education?

.....

d) What is the total allotment?

.....

e) For the next year, the allotment is to be increased by 4 lakhs. Draw up a revised budget, in two different ways.

Do all the activities and send to me dears.....

All The Best