3. DIGIT SUMS

Practice 1 slide 2 Find the digit sum: 1) 62 4) 88

2) 521
5) 375

3) 312111
6) 1234567

Practice 2 slide 4

Find the digit sum by casting out the nines:

1) 93   2) 39492
3) 939293999   4) 999

Practice 3slide 5

Find the digit sum, by casting out nines:

1) 435   **2) 218**   **3) 62371**   **4) 25343**
5) 23719   **6) 21531**   **7) 343132**   **8) 963**

Practice 3 slide 6

Find a 2-figure number with a digit sum of:
1) 6 where the figures are equal
2) 6 where the 1st figure is double the 2nd
3) 7 where the difference between the figures is 3 (two answers)

Practice 3 slide 7

Find a 2-figure number with a digit sum of:
1) digit sum of 2 and one of the figures is a 3 (two answers)
2) digit sum of 1 that ends in 3

Practice 4 slide 8

Which numbers are divisible by 3 and which by 9?

1) 75   **2) 83**   **3) 4194**

4) Given 23#, what digit can # be if the number is divisible by 3?

Practice 5 slide 9

What is the remainder on division by 9?

1) 7421   **2) 5125**   **3) 3963**

Practice 6 slides 10, 11, 12

1	2	3	4	5	6	7	8	9
2	4	6	8	1	3	5	7	9
3	6	9	3	6	9	3	6	9
4	8	3	7	2	6	1	5	9
5	1	6	2	7	3	8	4	9
6	3	9	6	3	9	6	3	9
7	5	3	1	8	6	4	2	9
8	7	6	5	4	3	2	1	9
9	9	9	9	9	9	9	9	9

1	2	3	4	5	6	7	8	9
2	4	6	8	1	3	5	7	9
3	6	9	3	6	9	3	6	9
4	8	3	7	2	6	1	5	9
5	1	6	2	7	3	8	4	9
6	3	9	6	3	9	6	3	9
7	5	3	1	8	6	4	2	9
8	7	6	5	4	3	2	1	9
9	9	9	9	9	9	9	9	9

Practice 7 slides 13, 14

1	2	3	4	5	6	7	8	9
2	4	6	8	1	3	5	7	9
3	6	9	3	6	9	3	6	9
4	8	3	7	2	6	1	5	9
5	1	6	2	7	3	8	4	9
6	3	9	6	3	9	6	3	9
7	5	3	1	8	6	4	2	9
8	7	6	5	4	3	2	1	9
9	9	9	9	9	9	9	9	9

1	2	3	4	5	6	7	8	9
2	4	6	8	1	3	5	7	9
3	6	9	3	6	9	3	6	9
4	8	3	7	2	6	1	5	9
5	1	6	2	7	3	8	4	9
6	3	9	6	3	9	6	3	9
7	5	3	1	8	6	4	2	9
8	7	6	5	4	3	2	1	9
9	9	9	9	9	9	9	9	9

Pr 1

1) 8   2) 8   3) 9   4) 7   5) 6   6) 1

Pr 2

1) 3   2) 9   3) 7   4) 9 or 0

Pr 3

1) 3   2) 2   3) 1   4) 8
5) 4   6) 3   7) 7   8) 9 or 0

1) 33   2) 42   3) 25, 52
1) 38, 83   2)

Pr 4

1) 3 only   2) neither   3) 3 and 9   4) 1, 4, or 7

Pr 5

1) 5   2) 4   3) 3