3. DIGIT SUMS

Practice 1 slide 2
Find the digit sum:

1) 62	**2) 521**	**3) 312111**
4) 88	**5) 375**	**6) 1234567**

Practice 2 slide 4
Find the digit sum by casting out the nines:

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

Practice 3 slide 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

**ANSWERS
LESSON 3**

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 |