

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) 939294999 |
| 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

9	9	9	9	9	9	9	9	9
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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

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

