

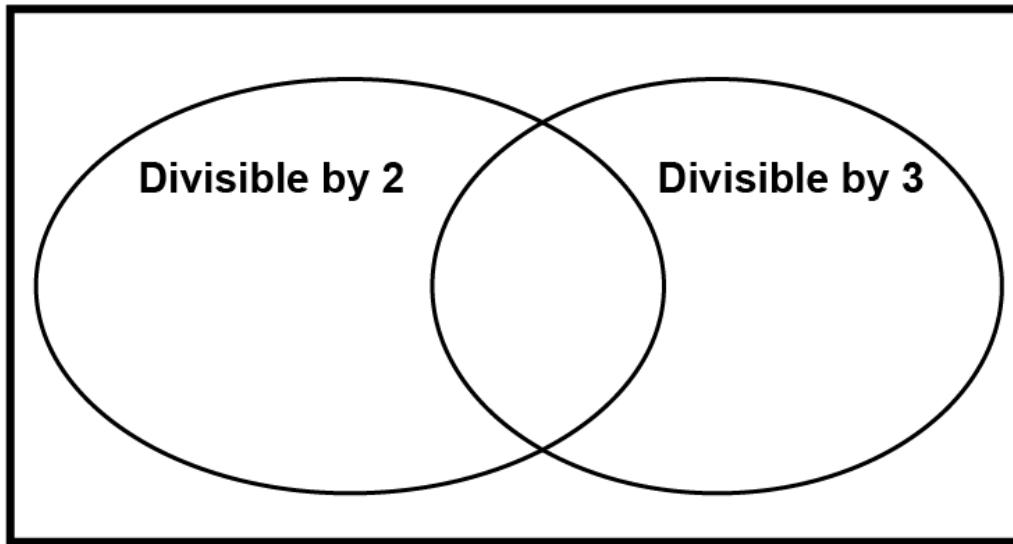
**Numbers Divisible by 3 and by 6**

1. a) Shade all multiples of 3.
- b) What do you notice about the sum of the digits in the numbers that you shaded?
- c) Write a divisibility rule for 3.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120

## Numbers Divisible by 3 and by 6 (cont'd)

2. Sort the numbers from 1 to 30 in the Venn diagram.



- a) What do you notice about all the numbers in the overlap of the Venn diagram?
  
  
  
  
  
- b) What number are all these numbers divisible by?
  
  
  
  
  
- c) Write a divisibility rule that is true for all these numbers.