Multiples of 3

White Rose Maths

1 Complete the number lines.

a)

0   3   6   9   ☐   ☐   ☐

b)

24   27   30   ☐   ☐   39   ☐   ☐

c)

☐   6   ☐   ☐   15   ☐   21   24

d)

☐   63   ☐   69   ☐   ☐   78   81
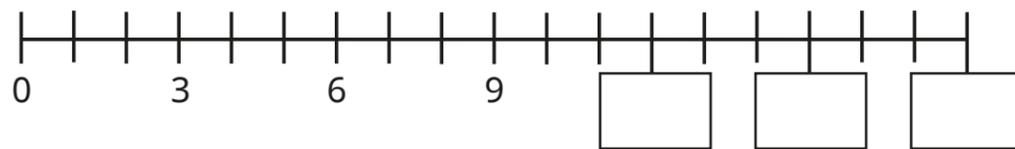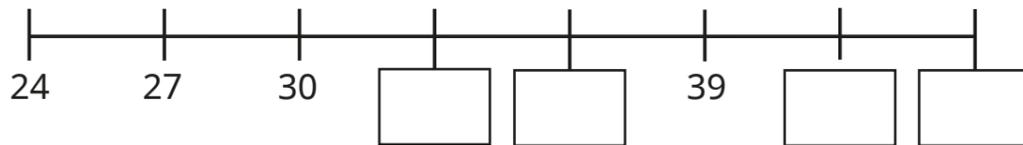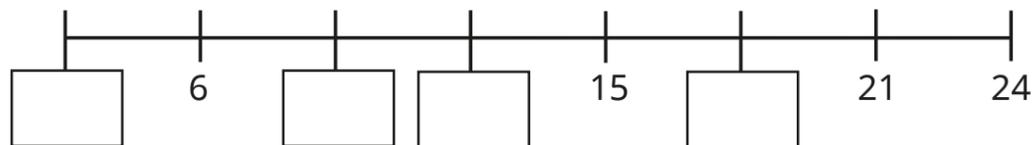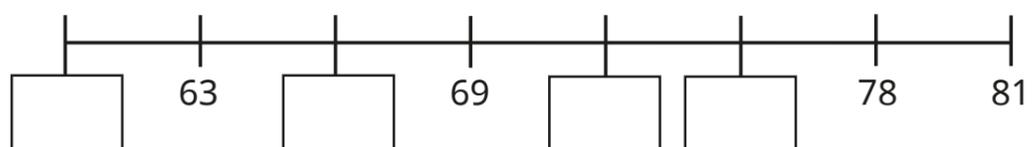
2 Shade the multiples of 3 on the hundred square.

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

What patterns do you notice?

3 Complete the calculations.

a) $5 \times 3 =$ ☐

b) $3 \times 9 =$ ☐

c) ☐ $= 12 \times 3$

d) $4 \times 3 + 1 \times 3 =$ ☐

e) $10 \times 3 + 1 \times 3 =$ ☐

f) ☐ $= 2 \times 4 \times 3$

4 a) The numbers are all multiples of 3

Find the sum of the digits of each number.

18 ☐   24 ☐   33 ☐

63 ☐   21 ☐   102 ☐
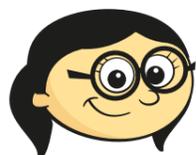
What do you notice?

b) Circle the multiples of 3
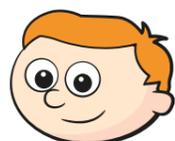
75   123   189   423   3,513

5

Annie: I know that 3 × 10 = 30 and 3 × 2 = 6, so 3 × 12 = 36

Ron: I can find 3 × 9 by subtracting 1 lot of 3 from 30

a) Work out 15 × 3

☐

b) Work out 19 × 3

☐

c) Work out 21 × 3

☐

6 Filip builds a tower that is 7 cm tall.

Eva builds a tower that is three times the height of Filip's.

How much taller is Eva's tower than Filip's?

☐

7 Aisha has three times as many stickers as Tom.

Tom has three times as many stickers as Jo.

Tom has 24 stickers.

How many stickers do they have in total?

☐

8 Huan is thinking of three multiples of 3 between 0 and 30

The sum of Huan's numbers is 57

What could Huan's numbers be?

☐ + ☐ + ☐ = 57

Can you find any other answers?