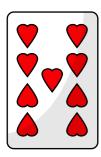
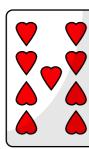


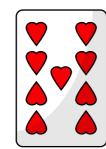


How many hearts are there in total?

Complete the multiplication fact.









2 Colour all the multiples of 9

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 pattern do you notice?



Use the 100 square to complete these calculations.

Complete the calculations.

b)
$$\div 9 = 12$$

d)
$$\div 9 = 1$$

Complete the number tracks.

0 9 18 54	1
-----------	---

108	99			72		45	36
	ı	I	I				

	_	_				_	
(5)	These	numbers	are	all	multiples	of	9

45 54 18 108

a)	Show	that	the	sum	of	the	digits	of	each	number	is
	the so	ıme									

b) These numbers are also multiples of 9



657

891

999

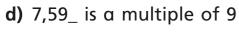
What is the sum of the digits of each number?

c)

I've noticed something about the sum of the digits of numbers that are multiples of 9



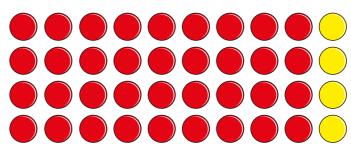
What do you think Whitney has noticed?



What is the missing digit?







a) Use the arrays to complete the multiplications.

b) Write steps for a partner to explain how you can use the 10 times-table to multiply by 9

c) Use your steps to work out these multiplications.

