

RECALL



×	1	2	3	4	5	6	7	8	9
1	1	2		4	5	6		8	9
2	2				10	12	14		18
3	3	6	9		15			24	27
4	4		12		20	24	28	32	

Guided practice - My turn

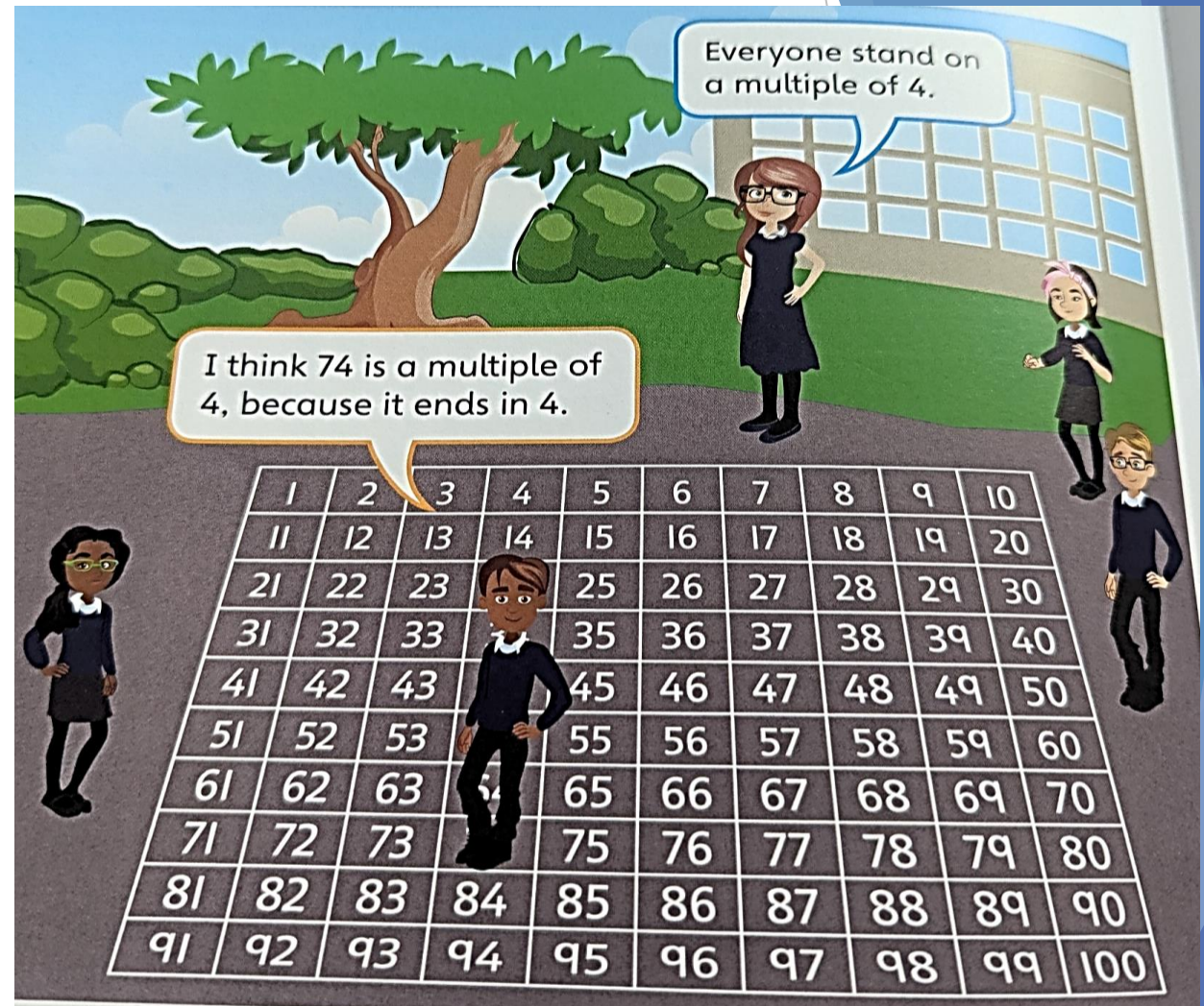
- ▶ Do you agree with Luis that 74 is a multiple of 4 because it ends in 4?
- ▶ Prove it
- ▶ Show all multiples of 4 on a hundred square

help

- ▶ If a number divides by 4 with no remainder, it is a multiple of 4.



- ▶ Is 124 a multiple of 4?
- ▶ prove it



Guided practice - Your turn

- ▶ Do you agree with Luis that 83 is a multiple of 3 because it ends in 3?
- ▶ Prove it
- ▶ Show all multiples of 3 on a hundred square

help

- ▶ If a number divides by 3 with no remainder, it is a multiple of 3.



- ▶ Is 115 a multiple of 3?
- ▶ prove it

Everyone stand on a multiple of 3

I think 83 is a multiple of 3 because it ends in 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



a) List all the multiples of 2 in a hundred square.

b) List all the multiples of 5 in a hundred square.

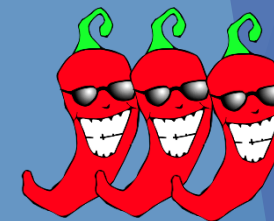
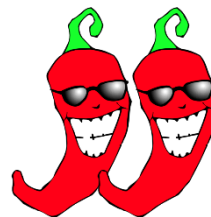
Look at these numbers below. Write the numbers down in your books and circle the numbers that are:

a) a multiple of 2.

14 27 28 40 113
191 234

b) a multiple of 5.

22 25 134 150 295
1095 306745



Look at these numbers below. Write the numbers down in your books and circle the numbers that are:

a) a multiple of 6.

12 28 42 113 180

b) a multiple of 7.

22 37 45 140 280



► Look at this Carroll Diagram. Find two numbers to go in each section

	Multiple of 6	Not a multiple of 6
Ends in 6		
Does not end in 6		



Dive Deeper 1

1)

Here is a sorting diagram with four sections, **A**, **B**, **C** and **D**.

	multiple of 10	not a multiple of 10
multiple of 20	A	B
not a multiple of 20	C	D

Write a number that could go in section **C**.



2)

Write **one** number which fits **all three** of these statements.

It is a multiple of 4

It is a multiple of 6

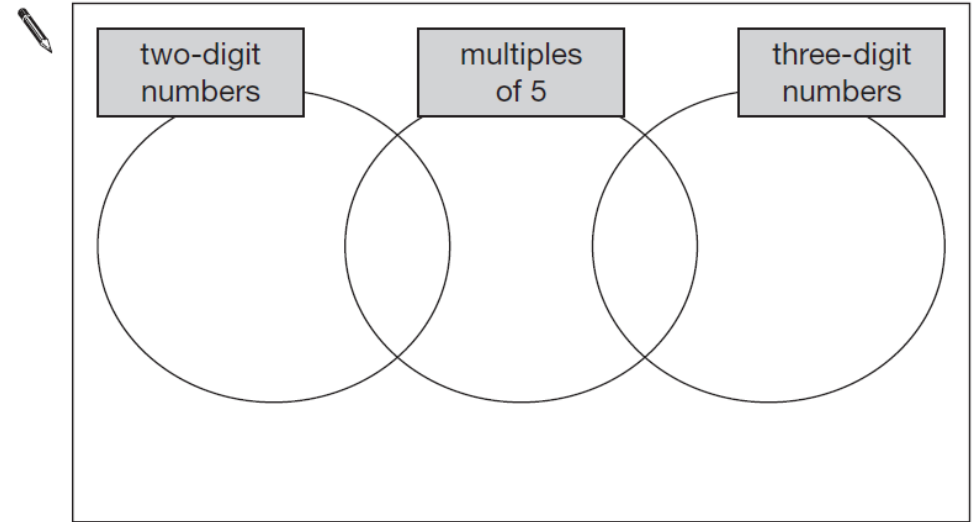
It ends in '8'



Write **each** number in its correct place on the diagram.

2 20 201 2000

3)

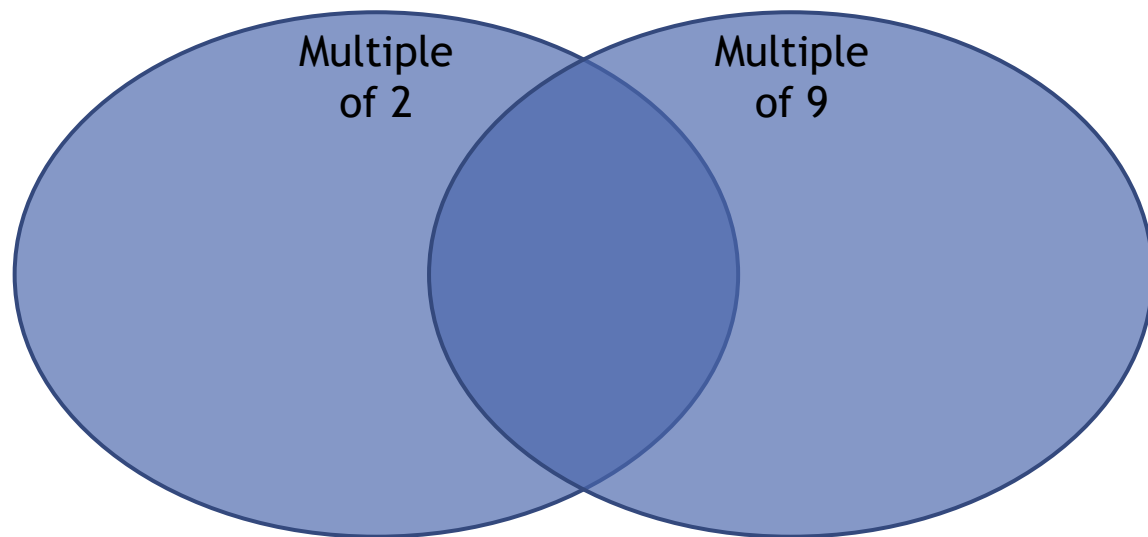


1)



Dive Deeper 2

- Draw this Venn diagram and find 5 numbers to go in each section up to 100



4)

7a. Rachel is thinking of a number.

My number is a multiple of 3, 6 and 9. It is even and between 100 and 130.

What could her number be?

Is there only one answer?

PS

7b. Monty is thinking of a number.

My number is a multiple of 11 and 7. It is even and between 130 and 160.

What could his number be?

Is there only one answer?

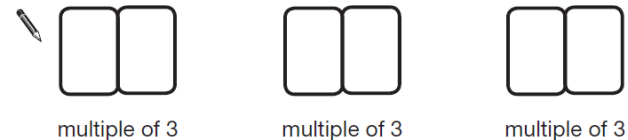
PS

2)

Here are six digit cards.



Use **all six** digit cards to make three multiples of 3



3)

Eva's age is a multiple of 7 and is 3 less than a multiple of 8

She is younger than 40

How old is Eva?

5)

8a. Below is a section of a hundred square.

104	105	106
114	115	116
124	125	126

Why are some of the numbers shaded?
Why do some of the numbers have circles around them?

R

8b. Below is a section of a hundred square.

96	97	98
106	107	108
116	117	118

Why are some of the numbers shaded?
Why do some of the numbers have circles around them?

R