Mathematics

Sequences
Number Grid Sequences

Downloadable Resource

Ms Jones

Try This

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

Look at the number grid.

Describe the patterns made by different sets of multiples.

A multiple is the result of **multiplying** a number **by an integer**

Independent task

1. Write out the first **ten numbers** in the number sequences that fall in the columns labelled a-d.

a   b

8		10	11	
13		15	16	
18		20	21	
23		25	26	
28		30	31	

c   d

-3		-1		1	
3		5		7	
9		11		13	
15		17		19	
21		23		25	

	-2	-1	0
	1	2	3
	4	5	6
	7	8	9
	10	11	12

2. For each number sequence below, draw a grid where the sequence lies in **one column**.

a) 7, 14, 21, 28, 35 …
b) 0, 3, 6, 9, 12 …
c) 2, 6, 10, 14, 18 …

3. Draw a **different** grid for each part of Q2.

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

0	1	2
3	4	5
6	7	8
9	10	11
12	13	14

2	3	4	5
6	7	8	9
10	11	12	13
14	15	16	17
18	19	20	21

Explore

Some number grids have been torn into parts.

Which parts belong to the same grid?

For the parts left over, draw a grid they could be part of.

1	2
8	9

3	4	5
8	9	
13		

12
16	17
22

-4
1	2	3