

NUMBER PATTERNS

Name:

Assessment Criteria: Recognise and describe number patterns

1. Look at the 1 to 100 grid here. A pattern of numbers has been shown by shading some numbers in yellow.

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

Describe how you would find the next number in the pattern if the grid were extended for two more rows.

2. Show me an example of a number greater than 300 that is

(i) divisible by 3

(ii) divisible by 4

(iii) divisible by 6

(iv) divisible by 9

3. Is the following statement always true, sometimes true, or never true?
Explain your answer.

'A number that is divisible by 4 is also divisible by 8'

4. Write down the first 5 numbers in the 2 times table, and the first 5 numbers in the 0.2 times table. What is the same and what is different about the two sequences?

_____ / _____ / _____ / _____ / _____

_____ / _____ / _____ / _____ / _____

Overall, I think my success level is:

Low High

Q	NUMBER PATTERNS	😊	☹
	I can recognise number patterns		
	I can describe number patterns		
	I know simple tests for divisibility		
	<i>I can use my own strategies within mathematics</i>		
	<i>I can search for a solution by trying out ideas of my own</i>		

I need to practise ...