

NUMBER PATTERNS AND RELATIONSHIPS

Name: _____

Assessment Criteria: Recognise and use number patterns and relationships

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

Imagine the pattern was continued. Would the number 124 be shaded? Explain your answer.

2. Find two prime numbers that add together to make 98.

_____ and _____

3. Write down the next two numbers in each of these number patterns:

(a) 25, 20, 10, 5, ____, ____

(b) 0.7, 1.0, 1.3, 1.6, ____, ____

(c) 1, 4, 9, 16, ____, ____

4. Use each of the numbers 1, 2, 3, 4 and 5 to correctly complete the following sentences:

____ is a factor of ____

42 is a multiple of ____

____ is a prime number

____ is not a prime number

5. Fill in the gaps in these sequences:

(a) 0.1, 0.3, ____, 0.7, ____, ____, 1.3

(b) ____, 6, ____, 12, ____, ____

Overall, I think my success level is:

Low High
○ ○ ○ ○

Q	NUMBER PATTERNS AND RELATIONSHIPS	☺	☹
	I can recognise and use a number pattern		
	I can recognise and use prime numbers		
	I can recognise and use factors and multiples		
	I can continue number sequences		
	<i>I can identify and obtain necessary information to carry through a task and solve mathematical problems</i>		
	<i>I can draw simple conclusions of my own and give an explanation of my reasoning</i>		
I need to practise ...			