

Year 6 Maths

Developing/ Expected/ Greater depth activity

Lesson 5

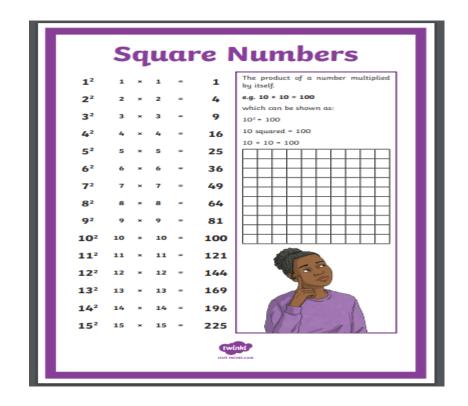
LO: TBAT identify patterns in number sequences.

Task: To complete short activities relating to numbers and patterns.

Success Criteria:

- 1. Read the question.
- 2. Use the grids provided to answer the questions.
- 3. Check your answers.

100 Square										
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	



Year 6 Maths
Main activity



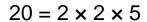
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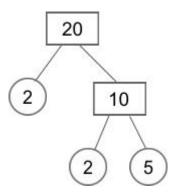


<u>Task 1</u>	<u>Task 2</u>	<u>Task 3</u>			
Problem solving	<u>Arithmetic</u>	Short Tasks Task 1			
04	8 9 × 12 =	Finding all possibilities: Draw as many different quadrilaterals as you can on a 3 × 3 dot grid.			
Q1. Tick the correct phrase to complete the sentence. A number that is not prime is called a	9 11 × 4 × 2 =	One has been done for you. Use a fresh grid for each new quadrilateral.			
prime factor square number	10 67.91 × 100 =	Repeats of similar quadrilaterals in a different orientation do not count. There are 16 possibilities. Can you find them all? Task 2			
composite number common factor	11	Adding to make twenty: 1 2 3 Add any four digits to make the total 20			
Q2. Write the two other prime numbers that multiply to make 165	13 0.02 = ? %	There are 12 possible solutions - can you find the other 11? Making twenty: $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			
Q3. Any number can be written as a product of its prime factors, for example:	14 5.55 + 10 =	1 2 3 1 2 3 1 2 3 4 5 6 7 8 9 7 8 9 7 8 9 7 8 9 9 7 8 9 9 7 8 9 9 7 8 9 9 9 7 8 9 9 9 7 8 9			

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Write 90 as a product of its prime factors.

Q4.

The three numbers missing from these boxes are all **prime numbers greater than 3**

Write in the missing **prime numbers**.