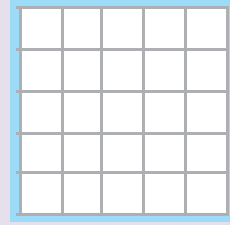


Prime and Composite Numbers

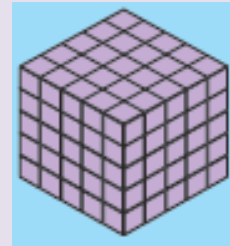
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

prime  
 composite  
 neither

Square and Cube Numbers



$5^2 = 25$      $5 \times 5 = 25$



$5^3 = 125$      $5 \times 5 \times 5 = 125$

Vocabulary

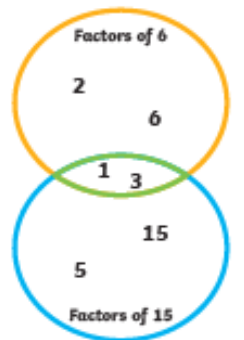
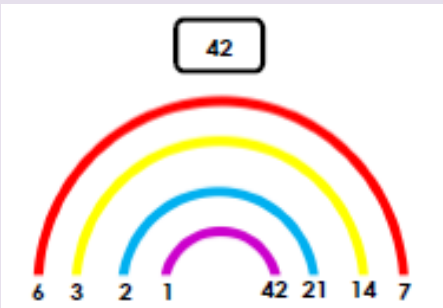
<b>factors</b>	Numbers that we multiply together to get a product
<b>common factor</b>	Factors of different numbers that are common or the same
<b>multiple</b>	The result of multiplying a number by a whole number
<b>product</b>	The answer when two or more factors are multiplied together
<b>prime number</b>	A whole number greater than 1 that is only divisible by 1 and the number itself
<b>prime factor</b>	A factor that is a prime number
<b>composite number</b>	A whole number that can be made by multiplying other whole numbers Not a prime number
<b>square number</b>	The result of multiplying a whole number by itself
<b>cube number</b>	The result of multiplying a whole number by itself twice

Factors

Common Factors

Multiples

Common Multiples



Multiples of 6    6, 12, 18, 24 ..  
 Common multiples  
 Multiples of 4    4, 8, 12, 16, 20, 24

Multiplication

Division

**2,543 x 7**

	2	5	4	3	
x				7	
<hr/>					
1	7	8	0	1	
	3	3	2		

Remember to add any regrouped numbers after each calculation

**2,543 x 67**

		2	5	4	3	
	x			6	7	
<hr/>						
	1	7	8	0	1	
	1	3	3	2		
1	5	2	5	8	0	
1	3	2	1			
<hr/>						
1	7	0	3	8	1	
	1	1				

**136 ÷ 4**

		3	4	
4	1	3	6	
-	1	2	0	→ 30 × 4
<hr/>				
		1	6	
-	1	6		→ 4 × 4
<hr/>				
			0	

**152 ÷ 4**

		3	8	
4	1	5	2	
<hr/>				
			0	

Remember to regroup any remainders and move them into the next column

Multiplying and Dividing by 10, 100, 1,000

Related Facts

TH	H	T	O
	4	2	3
	100 100 100 100	10 10	1 1
100 100 100 100	10 10	1 1	0

x10

**423 x 10 = 4,230**

TH	H	T	O	.	t
7	9	0	0		
	7	9	0		
		7	9		
			7	.	9

÷10  
÷100  
÷1,000

<b>8 x 7 = 56</b>	7 x 8 = 56
80 x 7 = 560	70 x 8 = 560
56 ÷ 7 = 8	56 ÷ 8 = 7
560 ÷ 7 = 80	560 ÷ 8 = 70