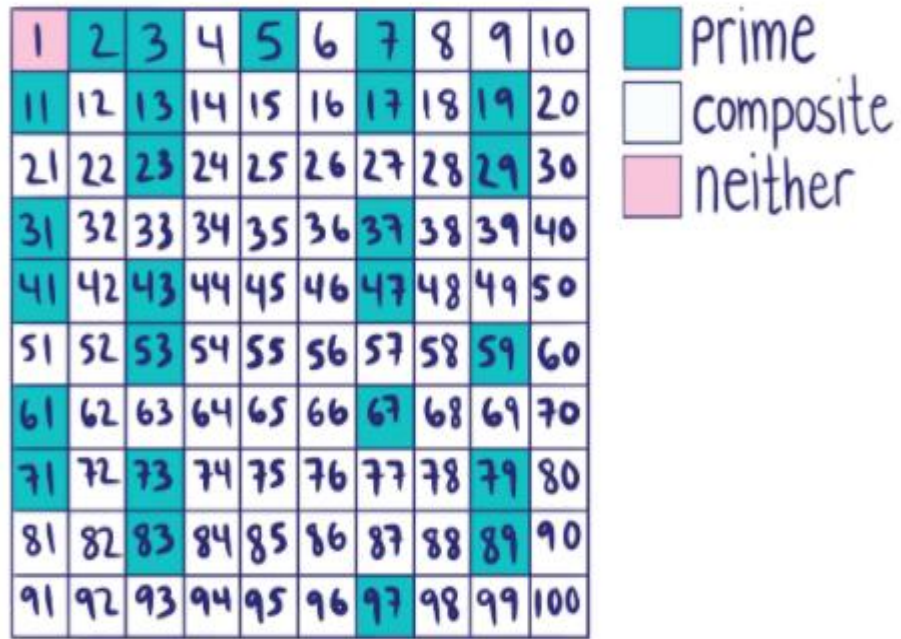
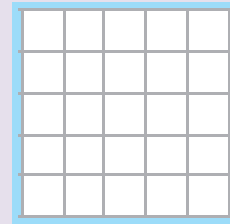


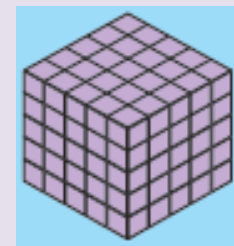
Prime and Composite Numbers



Square and Cube Numbers



$5^2 = 25$ $5 \times 5 = 25$



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

Vocabulary

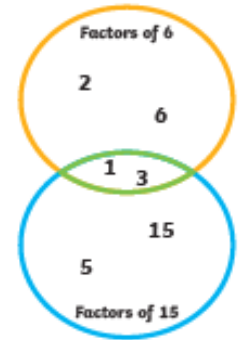
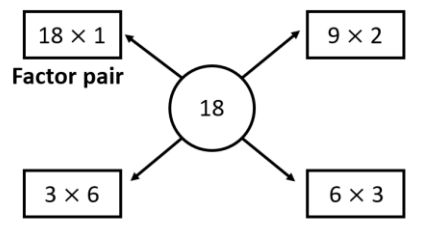
factors	Numbers that we multiply together to get a product
common factor	Factors of different numbers that are common or the same
multiple	The result of multiplying a number by a whole number
product	The answer when two or more factors are multiplied together
prime number	A whole number greater than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

Factors Common Factors Multiples Common Multiples

Multiplication

factor x factor = product

Division

dividend ÷ divisor = quotient

2,543 x 7

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

2,543 x 67

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

152 ÷ 4

		3	8	
4	1	5	2	

Remember to add any regrouped numbers after each calculation

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

8 x 7 = 56	7 x 8 = 56
80 x 7 = 560	70 x 8 = 560
56 ÷ 7 = 8	56 ÷ 8 = 7
560 ÷ 7 = 80	560 ÷ 8 = 70