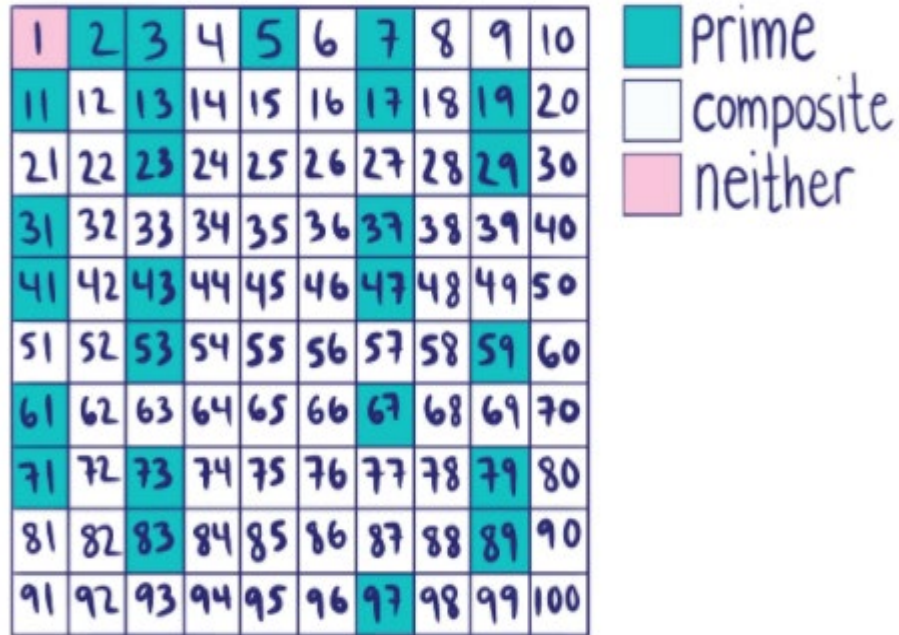
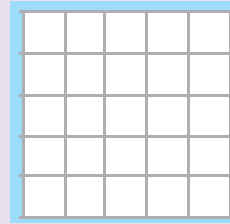


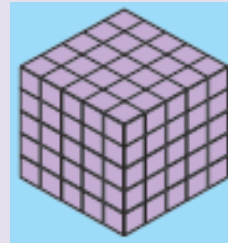
Prime and Composite Numbers



Square and Cube Numbers



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



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

Vocabulary

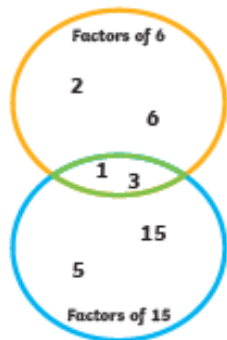
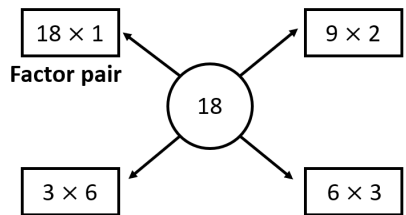
factors	Numbers that we multiply together to get a product
common factor	Factors of different numbers that are common or the same
multiple	The result of multiplying a number by a whole number
product	The answer when two or more factors are multiplied together
prime number	A whole number greater than 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			

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/>				

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	10 10	1 1
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