Factors

Write the factors of each number.

6   1, 2, 3, 6   8   1, 2, 4, 8

Write the factors of each number.

4	10	14
9	3	12
7	15	17
5	20	19
2	24	11
13	30	16

Write the factors of each number.

1	4	16
25	36	49
64	81	100

Do you notice anything about the number of factors each of the numbers has?

_____

Do you know the name for these special numbers? _____

Write the factors of each number.

2	3	5
7	11	13
17	19	23
29	31	37

Do you notice anything about the number of factors each of the numbers has?

_____

Do you know the name for these special numbers? _____

Factors

Write the factors of each number.

6	1, 2, 3, 6		8	1, 2, 4, 8

Write the factors of each number.

4	1, 2, 4	10	1, 2, 5, 10	14	1, 2, 7, 14
9	1, 3, 9	3	1, 3	12	1, 2, 3, 4, 6, 12
7	1, 7	15	1, 3, 5, 15	17	1, 17
5	1, 5	20	1, 2, 4, 5, 10, 20	19	1, 19
2	1, 2	24	1, 2, 3, 4, 6, 8, 12, 24	11	1, 11
13	1, 13	30	1, 2, 3, 5, 6, 10, 15, 30	16	1, 2, 4, 8, 16

Write the factors of each number.

1	1	4	1, 2, 4	16	1, 2, 4, 8, 16
25	1, 5, 25	36	1, 2, 3, 4, 6, 9, 12, 18, 36	49	1, 7, 49
64	1, 2, 4, 8, 16, 32, 64	81	1, 3, 9, 27, 81	100	1,2,4,5,10,20,25,50,100

Do you notice anything about the number of factors each of the numbers has?
Each number has an odd number of factors.

Do you know the name for these special numbers?   These are squares.

Write the factors of each number.

2	1, 2	3	1, 3	5	1, 5
7	1, 7	11	1, 11	13	1, 13
17	1, 17	19	1, 19	23	1, 23
29	1, 29	31	1, 31	37	1, 37

Do you notice anything about the number of factors each of the numbers has?
The factors of each number are 1 and the number itself.

Do you know the name for these special numbers?   These are prime numbers.

Children may neglect to include 1 and the number itself as factors of a number.
For larger numbers, they may not include all the factors in their answers. Point
out that 1 is not a prime number.