



FACTORS SHEET 4:1

- A factor is a number which divides exactly into another number with no remainder.
- All positive integers (except for 1) have at least 2 factors (1 and the number itself).

Examples

$$3 \times 4 = 12 \quad \text{so } 3 \text{ and } 4 \text{ are factors of } 12$$

$$5 \times 6 = 30 \quad \text{so } 5 \text{ and } 6 \text{ are factors of } 30$$

$$4 \times 7 = 28 \quad \text{so } 4 \text{ and } 7 \text{ are both factors of } 28$$

Complete this table to find the factors of all the numbers up to 24.

NUMBER	FACTORS
1	1
2	1,2
3	1,3
4	1,2,4
5	1,5
6	1,2,3,6
7	
8	
9	
10	
11	
12	

NUMBER	FACTORS
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	

Numbers that have exactly 2 factors (1 and themselves) are called prime numbers. Highlight all the prime numbers from 1 to 24 in the table.

Name

Date



FACTORS SHEET 4:1 ANSWERS

NUMBER	FACTORS
1	1
2	1,2
3	1,3
4	1,2,4
5	1,5
6	1,2,3,6
7	1,7
8	1,2,4,8
9	1,3,9
10	1,2,5,10
11	1,11
12	1,2,3,4,6,12

NUMBER	FACTORS
13	1,13
14	1,2,7,14
15	1,3,5,15
16	1,2,4,8,16
17	1,17
18	1,2,3,6,9,18
19	1,19
20	1,2,4,5,10,20
21	1,3,7,21
22	1,2,11,22
23	1,23
24	1,2,3,4,6,8,12,24

Numbers that have exactly 2 factors (1 and themselves) are called prime numbers. Highlight all the prime numbers from 1 to 24 in the table.