Codeyoung

A **multiple** is a number that can be made out of adding groups of another number together.

1) Write down the first 6 multiples of each of these numbers.

Number	1st	2nd	3rd	4th	5th	6th
6	6	12	18	24	30	36
20						
4						
11						
15						

2) Which of the groups of numbers below are multiples of 5?

4, 10, 13, 17	7, 27, 37, 47	20, 15, 40, 25	53, 55, 58, 51	50, 20, 80, 10

3) Which groups of numbers below are multiples of 3?

35, 32, 38, 30	24, 15, 30, 9	13, 43, 23, 53	27, 36, 9, 18	14, 21, 28, 35

4) I am a multiple of 3. I am between 40 and 50. Who could I be?

_____ _____ _____ [3 possibilities]

5) I am a multiple of 8. I am between 50 and 70. Who could I be?

_____ _____ [2 possibilities]

6) I am a multiple of 6. I am also a multiple of 4. I am less than 30. Who am I?

_____ or _____ [2 possibilities]

7) Write down a multiple of both 7 and 3 that is less than 50. _____

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- 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 x 4 = 12 so 3 and 4 are factors of 12
5 x 6 = 30 so 5 and 6 are factors of 30
4 x 7 = 28 so 4 and 7 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	