

# Factors and Multiples



Which is  
which? I  
always  
forget!

# What are factors?

Numbers that are multiplied together to give a particular number are called factors. For example, 2 and 6 are **factors** of 12.

We also know that 2 and 6 are **factors** of 12 because 12 divides by 2 and 6 exactly. There are no remainders.

I know that 9 and 5 are **factors** of 45 because  $9 \times 5 = 45$ !



# Finding Factors

Look at these numbers.  
Circle all the **factors** of 32.



1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16

Circle all the numbers that are **factors** of \_\_\_\_.



1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40

# What are multiples?

**Multiples** of a number are all the numbers in that particular times table.

**Multiples** of 3 are numbers which are in the 3 times table: 3, 6, 9, 12, 15 and so on.

Some **multiples** of 6 are 12, 24, 30, 60 and 120

I know 21 is a **multiple** of 7, because 21 is in the 7 times table!



# Finding Multiples

Look at these numbers.  
Circle all the multiples of 3.



1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20

Circle all the numbers that are multiples of \_\_\_\_\_.



1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100