

## Finding prime numbers

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

### Can you find all of the prime numbers?

In red, cross out all of the even numbers (multiples of 2).

In blue, cross out all of the multiples of 3 (numbers in the 3 times table).

In black, cross out all of the multiples of 5 (numbers in the 5 times table).

In green, cross out all of the multiples of 7 (numbers in the 7 times table).

In pink, cross out all of the multiples of 9 (numbers in the 9 times table).

In yellow, cross out all of the multiples of 11 (numbers in the 11 times table).

### Which numbers are left?

Check that these numbers are prime by drawing a factor bug.

Are their only factors 1 and themselves?

**Circle them if they are prime.**

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**Can you find all of the prime numbers?**

Eliminate numbers that have lots of factors using colours to help you.  
Circle the prime numbers.

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**Explain to an alien... What is a prime number?**

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