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.

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?

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

Explain to an alien… What is a prime number?

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