



### ALMOND HILL JUNIOR SCHOOL MEDIUM TERM PLAN

**TOPIC TITLE:** LS6 Prime and composite numbers

**YEAR GROUP:** 5

**TERM:** Autumn 1

<b>Vocabulary</b> Prime number Prime factors Composite number Factors Common Factors Multiples	<b>Skills</b> - Identify what makes a number prime or composite. - Name prime numbers. - Identifying prime factors.	<b>What we already know</b> - Multiplication and division known facts. - Factors and multiples
---	--	--

**Illustration**

prime composite

•• 2

••• 3

4 ••

•••• 5

6 •••

••••• 7

8 ••••

9 ••••

10 •••••

••••••• 11

12 •••••

How do prime numbers work?

13

↙ ↘

1 13

13 has **only two factors** - itself and 1. So it is a prime number.

4

↙ ↓ ↘

1 2 4

4 has **three factors** - itself, 1 and 2. So it is NOT a prime number.

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

Prime factors

30

↙ ↘

6 5

↙ ↘ ↘

2 3 3

2 x 3 x 5