Key Instant Recall Facts
Year 5 - Spring 1

I can identify prime numbers up to 20.
I can recall square numbers up to 144 and their square roots.
By the end of this half term, children should know the following facts. The aim is for them to recall these facts fairly **instantly.**

Key Vocabulary:

Prime number
Composite number
Factor
Multiple

A square number is a number multiplied by itself:	These facts are related to the square roots:
1 x 1 = 1	√1 = 1
2 x 2 = 4	√4 = 2
3 x 3 = 9	√9 = 3
4 x 4 = 16	√16 = 4
5 x 5 = 25	√25 = 5
6 x 6 = 36	√36 = 6
7 x 7 = 49	√49 = 7
8 x 8 = 64	√64 = 8
9 x 9 = 81	√81 = 9
10 x 10 = 100	√100 = 10
11 x 11 = 121	√121 = 11
12 x 12 = 144	√144 = 12

A prime number is a number with no factors other than itself and one.

The following numbers are 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

A composite number is divisible by a number other than 1 or itself.

The following numbers are composite 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

Top tips:

The secret to success is practicing **little** and **often.** Use time wisely. Can you practise these KIRFs while walking to school or during your car journey? You don't need to practise them all at once: perhaps you could have a fact of the day.

It's really important that your child uses mathematical vocabulary accurately. Choose a number between 2 and 20. How many correct statements can your child make about this number using the vocabulary above?

Make a set of cards for the numbers from 2 to 20. How quickly can your child sort these into prime and composite numbers? How many even prime numbers can they find? How many odd composite numbers?