



Key Instant Recall Facts

Year 5: Autumn 2

WALT: recall prime numbers up to 100

This KIRF will be tested at the start and end of the term. In school, your child will receive one, fifteen-minute, timetabled slot a week to practise this skill. **By the end of this half term, children in Year 5 should know the following facts and be able to recall them instantly:**

PRIME NUMBERS

The numbers shown in yellow are all prime numbers. 1 is not a prime number!

To test if a number is a prime, divide it by 2, 3, 5, 7, 9 or 11.

Prime numbers are numbers (greater than 1) that cannot be divided by any number except themselves and one.

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

7 is a prime number because it can only be divided by 7 and 1.

70 is not a prime number because it can be divided by 70, 35, 14, 10, 7, 5, 2 and 1!

Top Tips:

The secret to success? Practise little and often! Can you learn these on your way to school? On a car journey? Or even at the breakfast table? You don't need to learn them all at once: start with those you are more confident with before tackling the rest. Why not practise whilst keeping active? You could throw and catch or kick a ball whilst learning them!

Play Games!

- ✓ Create a board game or a treasure hunt related to prime numbers.
- ✓ Make some flashcards and ask a family member to test you- how quickly can you identify which are prime and which are composite?
- ✓ Make up a song about the prime numbers. Perhaps you could sing the prime numbers to the tune of a favourite song?
- ✓ Play 'Ping Pong' with a partner: Take it in turns to count up in prime numbers

Useful Websites (games and information):

- <https://www.bbc.co.uk/bitesize/topics/zfq7hyc/articles/z2q2bfr>
- <https://www.theschoolrun.com/what-prime-number>
- <https://www.transum.org/Maths/Activity/Prime/>
- https://www.abcya.com/games/number_ninja_factors
- <https://www.mathnook.com/math/skill/primecompositgames.php>

Key Vocabulary:

Prime

composite - numbers that have more than two factors

factors - numbers that divide another number, leaving no remainder

Key Questions:

What are the factors of ...
Which of these numbers are prime/composite? How do you know?