



Useful websites to help:

Video to explain prime numbers if you are still unsure

<https://www.youtube.com/watch?v=jzTiaRg4pQo>

Game—Prime numbers to 20, 50 and 99 (fruit splat)

[http://www.sheppardsoftware.com/mathgames/numbers/fruit\\_shoot\\_prime.htm](http://www.sheppardsoftware.com/mathgames/numbers/fruit_shoot_prime.htm)

Play on your own or with a family member

[https://www.transum.org/Maths/Game/Prime\\_Pairs/](https://www.transum.org/Maths/Game/Prime_Pairs/)

Speed game with different levels

<https://www.transum.org/Maths/Game/Primes/PickLevel5.asp>

Your teachers favourite game

<https://www.primarygames.com/math/eggprime/>

## Be a maths investigator!

Print or draw a number square to 100.

Colour the prime numbers in red

Colour multiples of 6 (6, 12, 18 etc) in blue

What do you notice?

Can you see a link between the two colours?

Can you make a prediction about prime numbers greater than 100?

How can you check your prediction?



## Year 6

Learn by heart of the week:

Identifying prime numbers

A prime number has only 2 factors 1 and itself  
1 is not a prime number as it only has 1 factor (1)  
2 is a prime number as it has 2 factors (1 x 2)

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

## Get creative!

Design a game to help you identify prime numbers.

Could you make a board game? eg a snakes and ladders type game where you move forward or back 8 squares if you land on a prime number

Could you make a 4 in a row game? eg where you have to be the first to get 4 in a row without putting your counter on a prime number.

## This weeks task!

To find all the prime numbers up to 100

## Get practising!

Draw or print a number square up to 100

Cross out the number 1

Cross out all the multiples of 2 (EXCEPT THE NUMBER 2)

Cross out all the multiples of 3 (EXCEPT THE NUMBER 3)

Repeat with all the times tables up to multiples of 9

You should be left with the prime numbers

You could use your knowledge of factors from last week

## Don't forget!

Keep working on the times tables and division facts so you don't forget them.

Little but often is best.