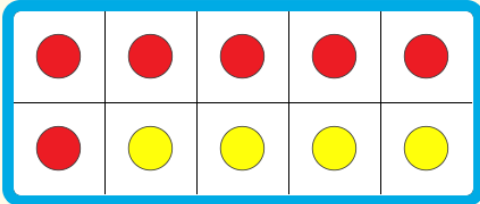


Maths Newsletter Autumn Term

Dear Families,

I thought it would be useful to show you some of the representations that we are using as part of the mastery work we do in maths. I am sure your child will be able to show you in more detail how we use them but you are always welcome to pop in and speak to your child's class teacher or myself (Miss Montier) if you want to know more.



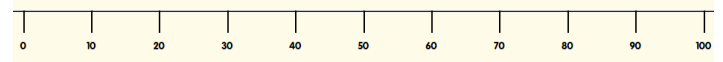
Tens Frame

This is a representation to help EYFS and KS1 pupils learn about times bonds and for developing numeracy skills in numbers to 10

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

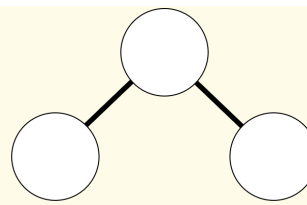
Number Square

These can be used to help pupils develop mental addition and subtraction using efficient methods. A similar square is used to help pupils retain their times tables.



Number Line

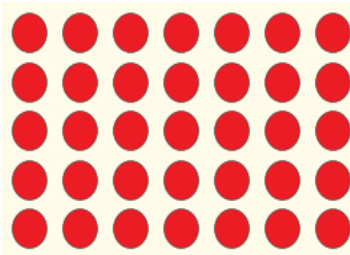
This representation is used in various different forms from EYFS to Year 6. It is used to help pupils see patterns within the number system. It helps a lot with rounding and estimation and as an aide to counting on and back. It helps pupils visualise fractions and decimals as parts of whole numbers



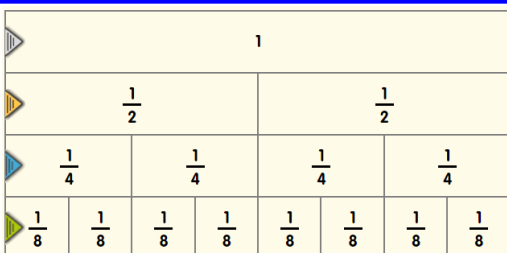
Part Whole Model (Cherry)

It is used throughout school to help pupils partition and decompose numbers. This can then help with using all of the operations of addition, subtraction multiplication and division. It helps pupils to manipulate numbers and gain a sense of how they are made up.

Array

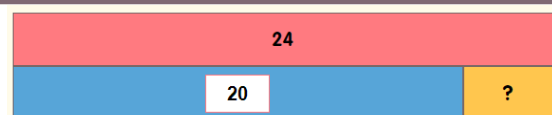


These are used to help pupils see how multiplication tables are made up. They can help to see patterns of square numbers and find different ways to make a particular product.



Fraction Wall

This helps pupils see how fractions are equivalent to each other.



Bar Model

This representation helps pupils visualise the maths within a problem. It allows pupils to turn a problem into a visual picture. These are also used extensively in the introduction to fractions as it helps pupils visualise that the fraction is a number split into parts.