

Year 2 – Maths Subject Knowledge

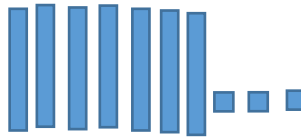
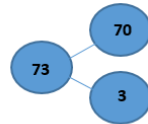
Place Value

Counting

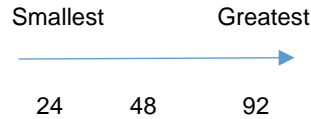
Read and write numbers to 100 in numerals and words

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

Tens	Ones
7	3



73
70 3



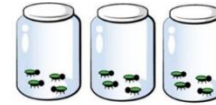
Greater than	Less than
>	<

Multiples 3	3	6	9	12	15	18	21	24	27	30
Multiples 5	5	10	15	20	25	30	35	40	45	50
Multiples 10	10	20	30	40	50	60	70	80	90	100

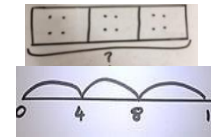
Multiplication and Division

Multiplication

Practical resources showing there are 3 equal groups with 4 in each group



Pictorial representation of problem with bar model / number line

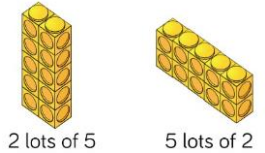


Abstract representation of problem
 $4 + 4 + 4 = 12$

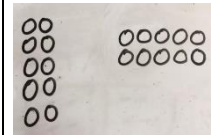
$$3 \times 4 = 12$$

Using Arrays

Practical



Pictorial



Abstract

$$10 = 2 \times 5$$

$$5 \times 2 = 10$$

$$2 + 2 + 2 + 2 + 2 = 10$$

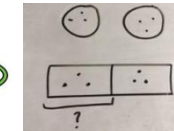
$$10 = 5 + 5$$

Division

Practical resources used for sharing



Pictorial representation

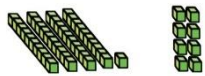


Abstract representation of problem

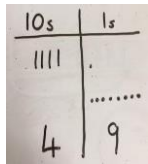
$$6 \div 2 = 3$$

Addition and Subtraction

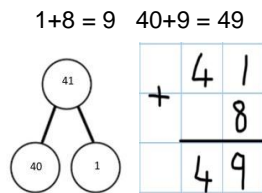
Practical base 10 resources adding two parts to make a whole



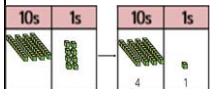
Pictorial representation of base 10



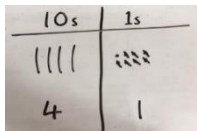
Abstract representation of problem



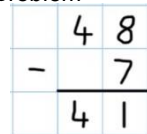
Use base 10 resources to physically subtract



Pictorial representation of base 10

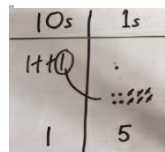
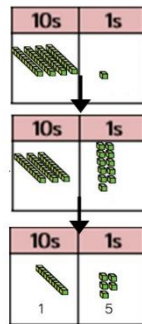


Abstract representation of problem



Column method and exchanging

$$41 - 26 = ?$$



Fractions

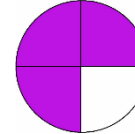
Recognise, name and write:

$$\frac{1}{3}, \frac{1}{4}, \frac{2}{4} \text{ and } \frac{3}{4} \text{ of}$$

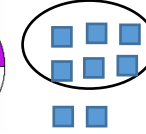
Objects



Shapes



Quantities



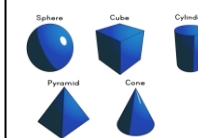
Write simple fractions

$$\frac{1}{2} \text{ of } 6 = 3$$

Measurement and Geometry

Shapes

Sort common 3D shapes



Lines of symmetry



Time

Quarter past the hour



Quarter to the hour



Money

Recognise and use symbols for pounds (£) and pence (p)

Units of Measurement

Mass	Grams (g), Kilograms (kg)
Temperature	Degrees Celsius
Capacity	Millilitres (ml), Litres (l)
Length and Height	Centimetres (cm), Metres (m)