

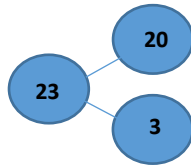
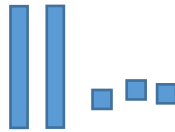
Year 1 – Maths Subject Knowledge

Place Value

Counting

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
2	3



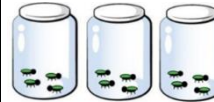
23	
20	3

Multiples of 2	2	4	6	8	10	12	14	16	18	20
Multiples of 5	5	10	15	20	25	30	35	40	45	50
Multiples of 10	10	20	30	40	50	60	70	80	90	100

Multiplication and Division

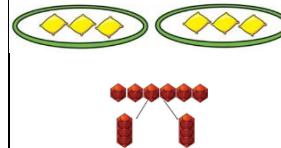
Repeated Addition

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

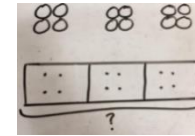


Sharing

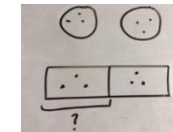
Practical resources used for sharing



Pictorial representation of problem with bar model



Pictorial representation



Abstract representation of problem with answer

$$4 + 4 + 4 = 12$$

Key Vocabulary

There are 3 groups.

There are 4 in each group.

There are 12 altogether.

Three fours = 12

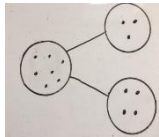
Addition and Subtraction

Addition

Practical resources combining two parts to make a whole

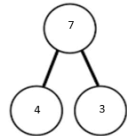


Pictorial representation using dots within a number bond



Abstract representation of problem

$$4 + 3 = 7$$



Addition and Subtraction facts within 20

20 + 0 = 20	20 + 0 = 20
20 - 1 = 19	19 + 1 = 20
20 - 2 = 18	18 + 2 = 20
20 - 3 = 17	17 + 3 = 20
20 - 4 = 16	16 + 4 = 20
20 - 5 = 15	15 + 5 = 20
20 - 6 = 14	14 + 6 = 20
20 - 7 = 13	13 + 7 = 20
20 - 8 = 12	12 + 8 = 20
20 + 9 = 11	11 + 9 = 20
20 - 10 = 10	10 + 10 = 20
20 - 11 = 9	9 + 11 = 20
20 - 12 = 8	8 + 12 = 20
20 - 13 = 7	7 + 13 = 20
20 - 14 = 6	6 + 14 = 20
20 - 15 = 5	5 + 15 = 20
20 - 16 = 4	4 + 16 = 20
20 - 17 = 3	3 + 17 = 20
20 - 18 = 2	2 + 18 = 20
20 - 19 = 1	1 + 19 = 20
20 - 20 = 0	0 + 20 = 20

Subtraction

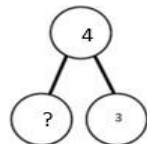
Use **practical** resources to physically subtract



Pictorial representation using crossing out and bar model methods

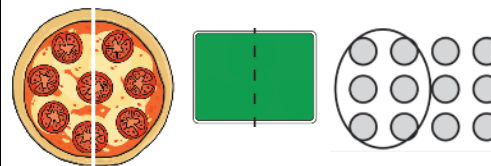


4	
3	?

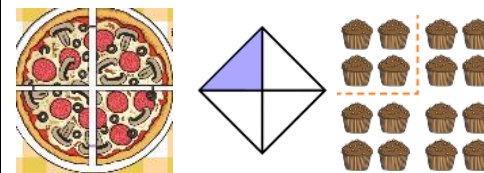


Fractions

Recognise a **half** as 1 of 2 equal parts



Recognise a **quarter** as 1 of 4 equal parts



Measurement and Geometry

Shapes

Recognise and name common 2D and 3D shapes



Capacity

Compare volumes of containers using the vocabulary empty, nearly empty, half full, full



Time

Tell the time to the hour and half past the hour



Money

Identify common bank notes and coins