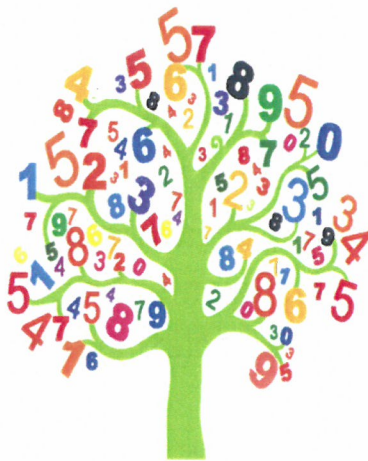


Year 1

End of Year

Expectations in



Mathematics

Mathematics



Maths is all around us and used by us every day - please take some time to help develop your child's mathematical vocabulary.

In every maths lesson the children will be encouraged to talk about their maths. We will be teaching them how to explain their answers and say how they have worked it out. As the year progresses the children will be asked to prove their answer.

Reasoning sentence starters...

1. I solved the problem by...
2. The strategy I used was...
3. I discovered that...
4. I noticed that...
5. Another strategy you could use is...
6. The first thing I did was...
7. First next then after that

Mathematical language will be modelled to them and they will be given lots of opportunity to practise using it.

We will be exploring concepts in as many different ways as possible and helping the children to link, use and apply their

mathematical knowledge through completing number problems and word problems.

It is really important that the children are confident in early place value - their mathematical knowledge will build on this firm foundation. We need the children to count, read & write numbers confidently. They need to be able to subitise (the ability to instantaneously recognise the number of objects in a small group without the need to count them) and understand the different ways of representing the same number.

The areas of money and time are always tricky and might be a nice focus for some activities at home.

This year we will be learning to ...

Number and Place Value

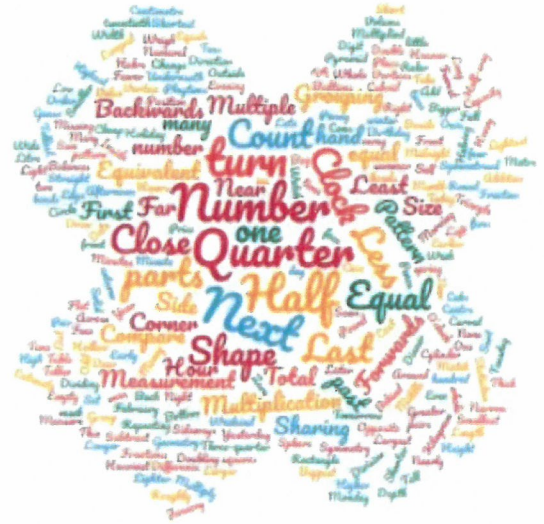
- Count to and across 100 forwards and backwards, beginning with 0, 1 or any given number.
- Count, read and write (in numerals) numbers to 100 beginning from 0, 1 or any given number.
- Read and write numbers from 1 to 20 in numerals and words.
- Identify a number 1 more and 1 less of a given number
- Count in multiples of 2, 5 and 10.
- Identify and represent numbers pictorially, on a number line or with objects.

Addition and Subtraction

- Add one-digit and two-digit numbers to 20, including zero.
- Subtract one-digit and two-digit numbers to 20, including zero.
- Solve one step problems that involve addition/ subtraction, using concrete objects and pictorial representations and missing number problems
- Read, write and interpret mathematical statements involving +, - and =.
- Represent and use number bonds within 20

Multiplication and Division

- With support solve one step problems that involve multiplication/ division, using concrete objects and pictorial representations and missing number problems



Fractions

- Recognise, find and name a half as one of two equal parts of an object, shape or quantity.
- Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity.

Measurement

- Measure, compare, describe and begin to record measurements relating to length/ height, mass/ weight, capacity/ volume and time.
- Solve practical problems.
- Recognise and know the value of different denominations of coins and notes.
- Recognise and use language related to dates, including days of the week, weeks, months and years.

Properties of Shape

- Recognise and name common 2-D and 3-D shapes

Position and Direction

- Describe position, directions and movements, including whole turns, half turns, quarter turns and three quarter turns.

We will be using ...

- **Counting equipment**
- **Numicon, dice, dominoes, digit cards, counters, number fans**
- **100 squares** (complete squares and squares with missing numbers used to count in 2's/ 5's/10's, to count on/ back, to find 1 more/less, to find 10 more/ less)
- **Number lines**
- **Blank or partially complete number tracks**
- **Ten frames**
- **Part-part-whole model**
- **Money** (1p, 2p, 5p, 10p then 20p, 50p, and £1, £2 lastly £5, £10, £20)
- **Clocks**
- **Measuring equipment** (rulers, tape measures, scales, measuring containers)
- **2D (flat), 3D (solid) shapes**

Maths Vocab Signs

addition



- add
- more
- plus
- make
- sum
- total
- altogether

How many more to make...?

How many more is... than...?

How much more is...?

subtraction



- subtract
- minus
- leave
- less
- take away
- difference between

How many are left over?

How much less is... than...?

How many fewer is...?

multiplication



- lots of
- times
- multiply
- groups of
- product
- multiplied by
- multiple of
- repeated addition
- array

division



- divide
- divided by
- divided into
- share
- share equally
- equal groups of

equals



- makes
- total
- same as
- equivalent
- balances

0

1

2

3

12

13

14

15

4

5

6

7

16

17

18

19

8

9

10

11

20

100 Square

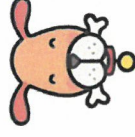
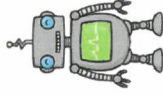
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

My 0 to 100 Number Line



0 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

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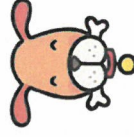
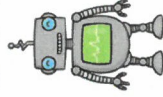
26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

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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

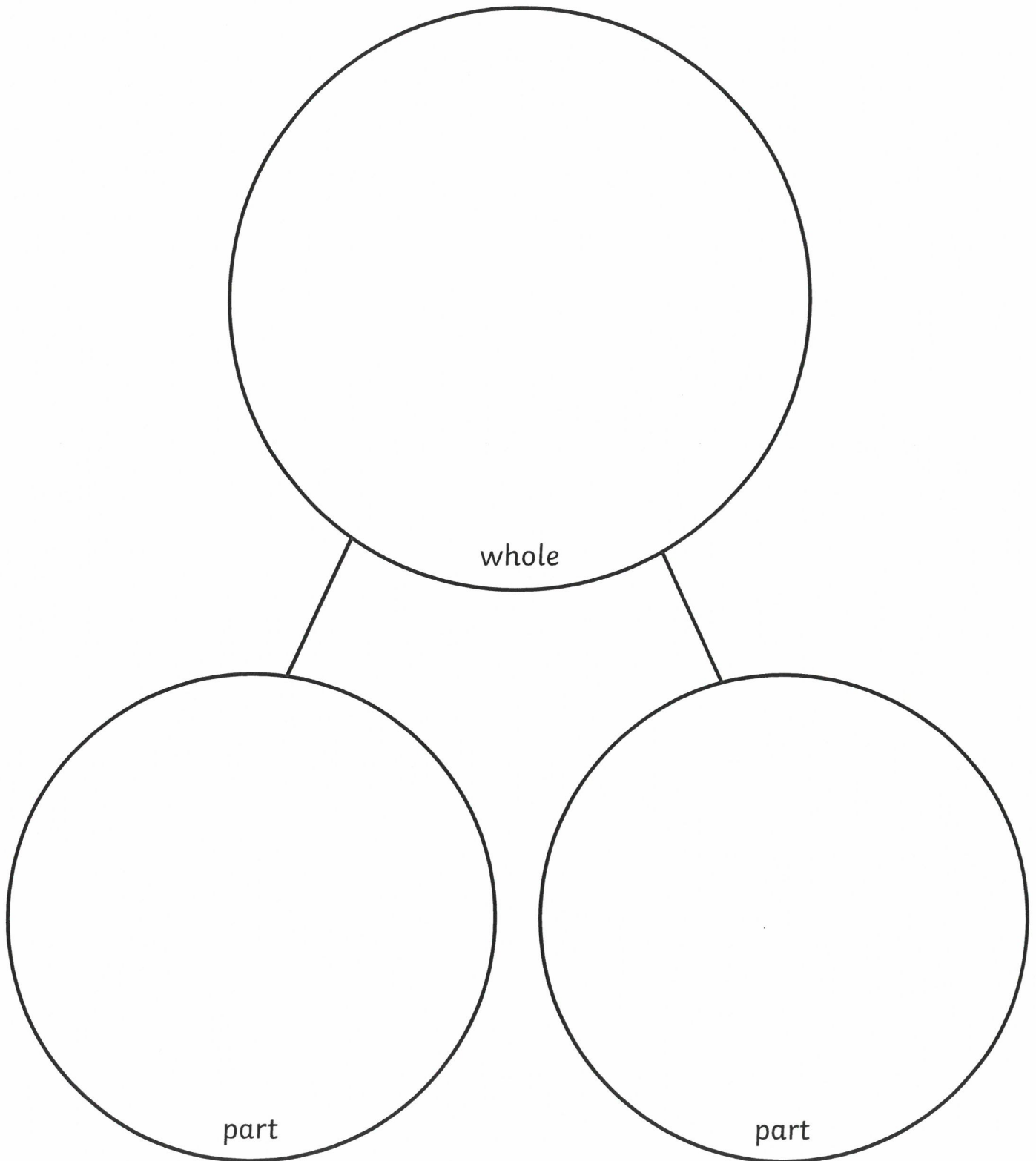
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76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

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Part-Whole Model



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