

Numeracy Key Facts

Booklet



**St Bernard's Primary School
Primary 3**

Quick Recall Facts

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

Count orally in 1's forwards and backwards within 100

- What number comes after.....
- What number comes before...
- What number comes in between...

Count orally in 2's forwards and backwards within 100

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

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

Count orally in 5's forwards and backwards within 100

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

Count orally in 10's forwards and backwards within 100

Count orally in 1's, 2's, 5s and 10's forwards, backwards from any given number within 50, then 100

41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60

e.g. count from 43 to 52 forwards and backwards

Subtraction and Addition

Subtraction and Addition

Ones
7
2
6
2

$$\begin{array}{c}
 \text{1 cherry} + \text{2 cherries} = \text{3 cherries} \\
 + \quad 2 \quad = \quad 5
 \end{array}$$

Greater Than

5 is greater than 1
Bigger Larger More than

Less Than

2 is less than 4
Smaller Less Littler

Equal to

2 is equal to 2
Equals Same as Same

Look at the tens and compare
biggest
biggest

Ones
7
2
6
2

$$\begin{array}{c}
 \text{2 cherries} - \text{2 cherries} = \text{0 cherries} \\
 - \quad 2 \quad = \quad 0
 \end{array}$$

We say: 9 is greater than 5

We write: 9 > 5

$$\begin{array}{c}
 \text{3 cherries} - \text{1 cherry} = \text{2 cherries} \\
 - \quad 3 \quad = \quad 2
 \end{array}$$

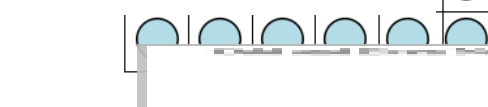
We say: 5 is less than 9

We write: 5 < 9

Look at the ones and compare

76 62 37 32

6	4
---	---



$$\begin{array}{l}
 0 + 10 \\
 1 + 9 \\
 2 + 8 \\
 \quad + 2 \\
 \quad + 5
 \end{array}$$

numbers - can be paired up



odd digit always 0 2 4 6 8
numbers - cannot be paired up



1	one
2	two
3	three
4	four
5	five
6	six
7	seven
8	eight
9	nine
10	ten

11	eleven
12	twelve
13	thirteen
14	fourteen
15	fifteen
16	sixteen
17	seventeen
18	eighteen
19	nineteen

20	twenty
21	twenty one
22	twenty two
23	twenty three
24	twenty four
25	twenty five
26	twenty six

30	thirty
40	forty
50	fifty
60	sixty
70	seventy
80	eighty
90	ninety



Addition Story of 10	Subtraction Story of 10	Addition Story of 11	Subtraction Story of 11	Addition Story of 12	Subtraction Story of 12	Addition Story of 13	Subtraction Story of 13
0 + 10 = 10	10 - 0 = 10	0 + 11 = 11	11 - 0 = 11		12 - 0 = 12		13 - 0 = 13
1 + 9 = 10	10 - 1 = 9	1 + 10 = 11	11 - 1 = 10	0 + 12 = 12	12 - 1 = 11	0 + 13 = 13	13 - 1 = 12
2 + 8 = 10	10 - 2 = 8	2 + 9 = 11	11 - 2 = 9	1 + 11 = 12	12 - 2 = 10	1 + 12 = 13	13 - 2 = 11
3 + 7 = 10	10 - 3 = 7	3 + 8 = 11	11 - 3 = 8	2 + 10 = 12	12 - 3 = 9	2 + 11 = 13	13 - 3 = 10
4 + 6 = 10	10 - 4 = 6	4 + 7 = 11	11 - 4 = 7	3 + 9 = 12	12 - 4 = 8	3 + 10 = 13	13 - 4 = 9
5 + 5 = 10	10 - 5 = 5	5 + 6 = 11	11 - 5 = 6	4 + 8 = 12	12 - 5 = 7	4 + 9 = 13	13 - 5 = 8
6 + 4 = 10	10 - 6 = 4	6 + 5 = 11	11 - 6 = 5	5 + 7 = 12	12 - 6 = 6	5 + 8 = 13	13 - 6 = 7
7 + 3 = 10	10 - 7 = 3	7 + 4 = 11	11 - 7 = 4	6 + 6 = 12	12 - 7 = 5	6 + 7 = 13	13 - 7 = 6
8 + 2 = 10	10 - 8 = 2	8 + 3 = 11	11 - 8 = 3	7 + 5 = 12	12 - 8 = 4	7 + 6 = 13	13 - 8 = 5
9 + 1 = 10	10 - 9 = 1	9 + 2 = 11	11 - 9 = 2	8 + 4 = 12	12 - 9 = 3	8 + 5 = 13	13 - 9 = 4
10 + 0 = 10	10 - 10 = 0	10 + 1 = 11	11 - 10 = 1	9 + 3 = 12	12 - 10 = 2	9 + 4 = 13	13 - 10 = 3
		11 + 0 = 11	11 - 11 = 0	10 + 2 = 12	12 - 11 = 1	10 + 3 = 13	13 - 11 = 2
				11 + 1 = 12	12 - 12 = 0	11 + 2 = 13	13 - 12 = 1
				12 + 0 = 12		12 + 1 = 13	13 - 13 = 0
						13 + 0 = 13	

Addition Story of 14	Subtraction Story of 14	Addition Story of 15	Subtraction Story of 15	Addition Story of 16	Subtraction Story of 16	Addition Story of 17	Subtraction Story of 17
$0 + 14 = 14$ $1 + 13 = 14$ $2 + 12 = 14$ $3 + 11 = 14$ $4 + 10 = 14$ $5 + 9 = 14$ $6 + 8 = 14$ $7 + 7 = 14$ $8 + 6 = 14$ $9 + 5 = 14$ $10 + 4 = 14$ $11 + 3 = 14$ $12 + 2 = 14$ $13 + 1 = 14$ $14 + 0 = 14$	$14 - 0 = 14$ $14 - 1 = 13$ $14 - 2 = 12$ $14 - 3 = 11$ $14 - 4 = 10$ $14 - 5 = 9$ $14 - 6 = 8$ $14 - 7 = 7$ $14 - 8 = 6$ $14 - 9 = 5$ $14 - 10 = 4$ $14 - 11 = 3$ $14 - 12 = 2$ $14 - 13 = 1$ $14 - 14 = 0$	$0 + 15 = 15$ $1 + 14 = 15$ $2 + 13 = 15$ $3 + 12 = 15$ $4 + 11 = 15$ $5 + 10 = 15$ $6 + 9 = 15$ $7 + 8 = 15$ $8 + 7 = 15$ $9 + 6 = 15$ $10 + 5 = 15$ $11 + 4 = 15$ $12 + 3 = 15$ $13 + 2 = 15$ $14 + 1 = 15$ $15 + 0 = 15$	$15 - 0 = 15$ $15 - 1 = 14$ $15 - 2 = 13$ $15 - 3 = 12$ $15 - 4 = 11$ $15 - 5 = 10$ $15 - 6 = 9$ $15 - 7 = 8$ $15 - 8 = 7$ $15 - 9 = 6$ $15 - 10 = 5$ $15 - 11 = 4$ $15 - 12 = 3$ $15 - 13 = 2$ $15 - 14 = 1$ $15 - 15 = 0$	$0 + 16 = 16$ $1 + 15 = 16$ $2 + 14 = 16$ $3 + 13 = 16$ $4 + 12 = 16$ $5 + 11 = 16$ $6 + 10 = 16$ $7 + 9 = 16$ $8 + 8 = 16$ $9 + 7 = 16$ $10 + 6 = 16$ $11 + 5 = 16$ $12 + 4 = 16$ $13 + 3 = 16$ $14 + 2 = 16$ $15 + 1 = 16$ $16 + 0 = 16$	$16 - 0 = 16$ $16 - 1 = 15$ $16 - 2 = 14$ $16 - 3 = 13$ $16 - 4 = 12$ $16 - 5 = 11$ $16 - 6 = 10$ $16 - 7 = 9$ $16 - 8 = 8$ $16 - 9 = 7$ $16 - 10 = 6$ $16 - 11 = 5$ $16 - 12 = 4$ $16 - 13 = 3$ $16 - 14 = 2$ $16 - 15 = 1$ $16 - 16 = 0$	$0 + 17 = 17$ $1 + 16 = 17$ $2 + 15 = 17$ $3 + 14 = 17$ $4 + 13 = 17$ $5 + 12 = 17$ $6 + 11 = 17$ $7 + 10 = 17$ $8 + 9 = 17$ $9 + 8 = 17$ $10 + 7 = 17$ $11 + 6 = 17$ $12 + 5 = 17$ $13 + 4 = 17$ $14 + 3 = 17$ $15 + 2 = 17$ $16 + 1 = 17$ $17 + 0 = 17$	$17 - 0 = 17$ $17 - 1 = 16$ $17 - 2 = 15$ $17 - 3 = 14$ $17 - 4 = 13$ $17 - 5 = 12$ $17 - 6 = 11$ $17 - 7 = 10$ $17 - 8 = 9$ $17 - 9 = 8$ $17 - 10 = 7$ $17 - 11 = 6$ $17 - 12 = 5$ $17 - 13 = 4$ $17 - 14 = 3$ $17 - 15 = 2$ $17 - 16 = 1$ $17 - 17 = 0$
Addition Story of 18	Subtraction Story of 18	Addition Story of 19	Subtraction Story of 19	Addition Story of 20	Subtraction Story of 20	EMBED PBrush Number Bonds to 10 	
$0 + 18 = 18$ $1 + 17 = 18$ $2 + 16 = 18$ $3 + 15 = 18$ $4 + 14 = 18$ $5 + 13 = 18$ $6 + 12 = 18$ $7 + 11 = 18$ $8 + 10 = 18$ $9 + 9 = 18$ $10 + 8 = 18$ $11 + 7 = 18$ $12 + 6 = 18$ $13 + 5 = 18$ $14 + 4 = 18$ $15 + 3 = 18$ $16 + 2 = 18$ $17 + 1 = 18$ $18 + 0 = 18$	$18 - 0 = 18$ $18 - 1 = 17$ $18 - 2 = 16$ $18 - 3 = 15$ $18 - 4 = 14$ $18 - 5 = 13$ $18 - 6 = 12$ $18 - 7 = 11$ $18 - 8 = 10$ $18 - 9 = 9$ $18 - 10 = 8$ $18 - 11 = 7$ $18 - 12 = 6$ $18 - 13 = 5$ $18 - 14 = 4$ $18 - 15 = 3$ $18 - 16 = 2$ $18 - 17 = 1$ $18 - 18 = 0$	$0 + 19 = 19$ $1 + 18 = 19$ $2 + 17 = 19$ $3 + 16 = 19$ $4 + 15 = 19$ $5 + 14 = 19$ $6 + 13 = 19$ $7 + 12 = 19$ $8 + 11 = 19$ $9 + 10 = 19$ $10 + 9 = 19$ $11 + 8 = 19$ $12 + 7 = 19$ $13 + 6 = 19$ $14 + 5 = 19$ $15 + 4 = 19$ $16 + 3 = 19$ $17 + 2 = 19$ $18 + 1 = 19$ $19 + 0 = 19$	$19 - 0 = 19$ $19 - 1 = 18$ $19 - 2 = 17$ $19 - 3 = 16$ $19 - 4 = 15$ $19 - 5 = 14$ $19 - 6 = 13$ $19 - 7 = 12$ $19 - 8 = 11$ $19 - 9 = 10$ $19 - 10 = 9$ $19 - 11 = 8$ $19 - 12 = 7$ $19 - 13 = 6$ $19 - 14 = 5$ $19 - 15 = 4$ $19 - 16 = 3$ $19 - 17 = 2$ $19 - 18 = 1$ $19 - 19 = 0$	$0 + 20 = 20$ $1 + 19 = 20$ $2 + 18 = 20$ $3 + 17 = 20$ $4 + 16 = 20$ $5 + 15 = 20$ $6 + 14 = 20$ $7 + 13 = 20$ $8 + 12 = 20$ $9 + 11 = 20$ $10 + 10 = 20$ $11 + 9 = 20$ $12 + 8 = 20$ $13 + 7 = 20$ $14 + 6 = 20$ $15 + 5 = 20$ $16 + 4 = 20$ $17 + 3 = 20$ $18 + 2 = 20$ $19 + 1 = 20$ $20 + 0 = 20$	$20 - 0 = 20$ $20 - 1 = 19$ $20 - 2 = 18$ $20 - 3 = 17$ $20 - 4 = 16$ $20 - 5 = 15$ $20 - 6 = 14$ $20 - 7 = 13$ $20 - 8 = 12$ $20 - 9 = 11$ $20 - 10 = 10$ $20 - 11 = 9$ $20 - 12 = 8$ $20 - 13 = 7$ $20 - 14 = 6$ $20 - 15 = 5$ $20 - 16 = 4$ $20 - 17 = 3$ $20 - 18 = 2$ $20 - 19 = 1$ $20 - 20 = 0$		



0	x	2	=	0
1	x	2	=	2
2	x	2	=	4
3	x	2	=	6
4	x	2	=	8
5	x	2	=	10
6	x	2	=	12
7	x	2	=	14
8	x	2	=	16
9	x	2	=	18
10	x	2	=	20
11	x	2	=	22
12	x	2	=	24

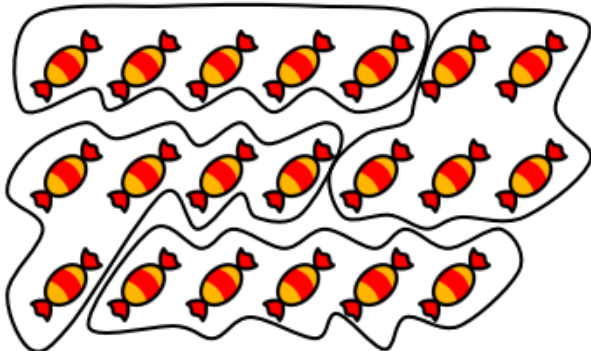
0	x	5	=	0
1	x	5	=	5
2	x	5	=	10
3	x	5	=	15
4	x	5	=	20
5	x	5	=	25
6	x	5	=	30
7	x	5	=	35
8	x	5	=	40
9	x	5	=	45
10	x	5	=	50
11	x	5	=	55
12	x	5	=	60

0	x	10	=	0
1	x	10	=	10
2	x	10	=	20
3	x	10	=	30
4	x	10	=	40
5	x	10	=	50
6	x	10	=	60
7	x	10	=	70
8	x	10	=	80
9	x	10	=	90
10	x	10	=	100
11	x	10	=	110
12	x	10	=	120

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Example1: Here are 20 sweets to share
Each child gets 5 sweets
How many children are there?

Divide them up into groups of 5 sweets-like this



There must be 4 children

Example2: Here are 12 marbles to share
There are 4 children.
How many marbles does each get?

Divide them up into 4 groups - like this



Each child gets 3 marbles

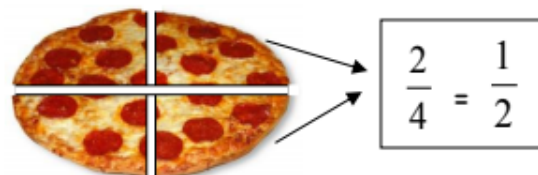
To work out a half
Split into two equal parts

YES

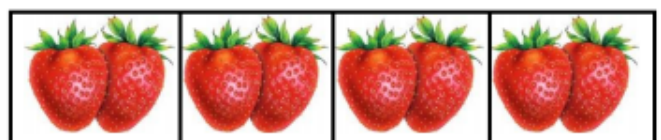
NO!!!!



To work out a quarter
Split into four equal parts

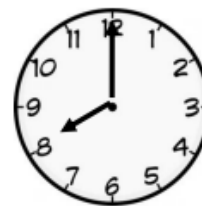


8

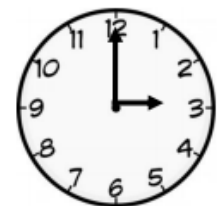


8 strawberries $\div$ 4 = 2 strawberries

The long pointer is called the MINUTE hand.
 The short pointer is called the HOUR hand
 When the long pointer is on 12, we say o'clock

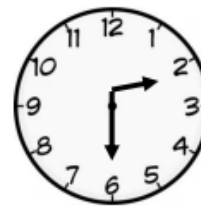


8 o'clock

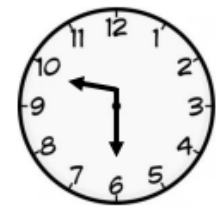


3 o'clock

When the long pointer is on 6, we say 'half past'



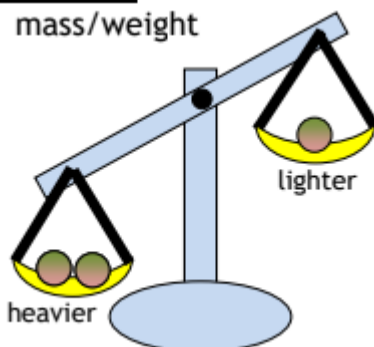
Half past 2



Half past 9

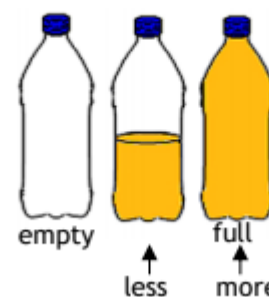


- mass/weight



More than a kilogram
 Less than a kilogram
 Around one kilogram

- capacity/volume



More than a litre
 Less than a litre
 Around one litre

- length



short

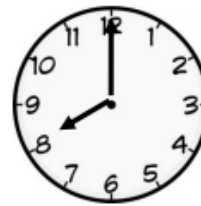


long

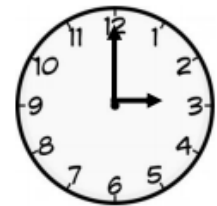
Around one metre



The long pointer is called the MINUTE hand.
The short pointer is called the HOUR hand
When the long pointer is on 12, we say o'clock

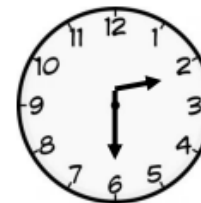


8 o'clock

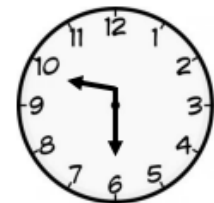


3 o'clock

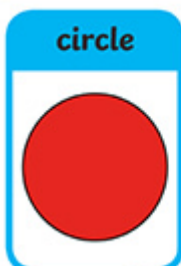
When the long pointer is on 6, we say 'half past'



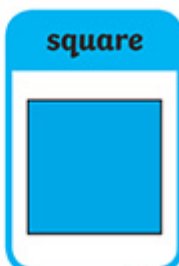
Half past 2



Half past 9



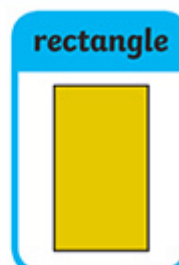
circle



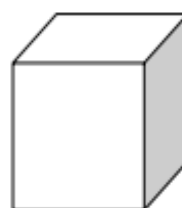
square



triangle



rectangle



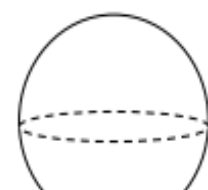
cube



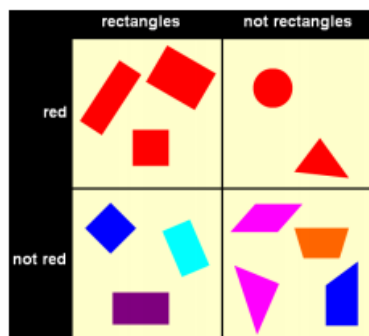
cylinder



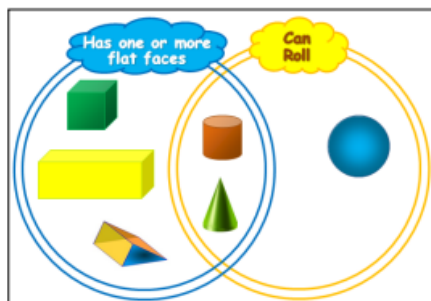
cuboid



Rectangle 11 Square 11 Triangle 11 Circle 11



Carroll diagram



Venn diagram

Tally chart showing animals in the zoo

Animal	Tally	Number of animals
Penguin	IIII	4
Lion	III	3
Snake	HHI I	6
Giraffe	II	2
Monkey	HHI II	7

Block graph to show animals in the zoo

