

MATHS FACTS

SYMBOLS



plus or add



minus or subtract



times or multiply



divide



equal to



less than, $4 < 6$



greater than, $8 > 5$



fraction, one half

ABBREVIATIONS

am	anti meridiem (morning)
pm	post meridiem (afternoon, evening)
\$	dollar
¢	cent
mm	millimetre
cm	centimetre
m	metre
km	kilometre
g	gram
kg	kilogram
mL	millilitre
L	litre
s	second
min	minute
h	hour

CONVERSIONS

Length

10 millimetres (mm) = 1 centimetre (cm)

100 cm =
1000 mm = } 1 metre (m)

1000 m = 1 kilometre (km)

Capacity

1000 millilitre (mL) = 1 litre (L)

Mass

1000 g = 1 kilogram (kg)

Time

60 seconds (s) = 1 minute (min)

60 minutes (min) = 1 hour (h)

24 hours (h) = 1 day





















7 days = 1 week

2 weeks = 1 fortnight

4 weeks (approx.) = 1 month

365 =
52 weeks (approx.) = } 1 year
12 months = }

NUMBERS 1 TO 20

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	

EVEN NUMBERS FROM 1 TO 100

- end with **2, 4, 6, 8** or **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	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

ODD NUMBERS FROM 1 TO 100

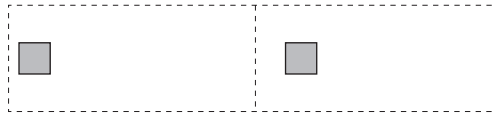
- end with **1, 3, 5, 7** or **9**

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

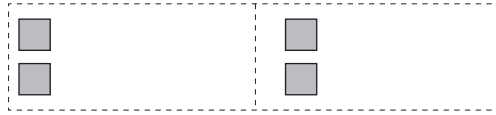
DOUBLES AND NEAR DOUBLES

DOUBLES

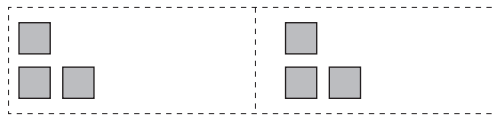
$1 + 1 = 2$



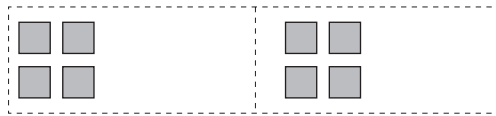
$2 + 2 = 4$



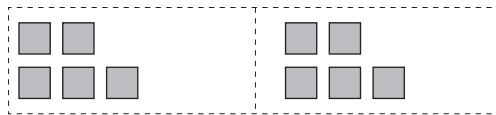
$3 + 3 = 6$



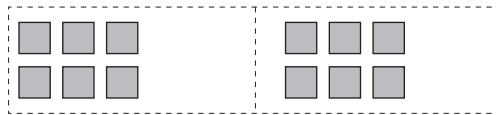
$4 + 4 = 8$



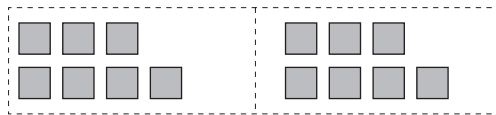
$5 + 5 = 10$



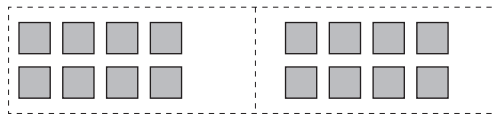
$6 + 6 = 12$



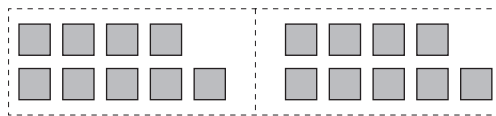
$7 + 7 = 14$



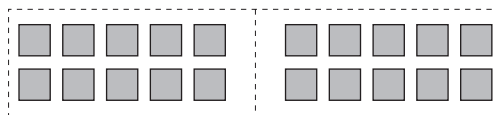
$8 + 8 = 16$



$9 + 9 = 18$



$10 + 10 = 20$



NEAR DOUBLES

$1 + 2 = 3$



$2 + 3 = 5$



$3 + 4 = 7$



$4 + 5 = 9$



$5 + 6 = 11$



$6 + 7 = 13$



$7 + 8 = 15$



$8 + 9 = 17$



$9 + 10 = 19$



$10 + 11 = 21$



SKIP COUNTING BY



2, 4, 6, 8, 10
12, 14, 16, 18, 20

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

SKIP COUNTING BY



4, 8, 12, 16, 20
24, 28, 32, 36, 40

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

SKIP COUNTING BY



3, 6, 9, 12, 15, 18, 21, 24, 27, 30

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

SKIP COUNTING BY



6, 12, 18, 24, 30
36, 42, 48, 54, 60

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

SKIP COUNTING BY



5, 10, 15, 20
25, 30, 35, 40
45, 50

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

SKIP COUNTING BY



10, 20, 30, 40, 50, 60, 70, 80, 90, 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
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

SKIP COUNTING BY



7, 14, 21, 28, 35, 42, 49, 56, 63, 70

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

SKIP COUNTING BY



8, 16, 24, 32, 40
48, 56, 64, 72, 80

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

SKIP COUNTING BY



9, 18, 27, 36, 45, 54, 63, 72, 81, 90

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

PLACE VALUE

Place			
Thousands	Hundreds	Tens	Ones
3	4	2	0

Value			
3000	400	20	0

OPERATION TERMINOLOGY

Addition: sum, altogether, in total, more than

Subtraction: difference, less than, take away

Multiplication: product, times, lots of

Division: a fraction (half, third, quarter) of

ZERO



0 in words

Some of the words used to represent **0** are: nought, nil, none, nothing, zilch, zip.

Adding and subtracting 0

Adding and subtracting **0** to any number leaves the number unchanged.

$$3 + 0 = 3$$

$$3 - 0 = 3$$

Multiplying by 0

The product of any number and **0** is 0

$$7 \times 0 = 0$$

Dividing by 0

Dividing by **0** is meaningless.

$4 \div 0$ is a meaningless operation.

ONE



1 in words

Some of the words used to represent **1** are: one, a, an, each, single, unit.

1 as a fraction



$$1 = \frac{2}{2}$$



$$1 = \frac{3}{3}$$



$$1 = \frac{4}{4}$$



$$1 = \frac{5}{5}$$

Multiplying by 1

Any number multiplied by **1** remains unchanged.

$$3 \times 1 = 3$$

Dividing by 1

Any number divided by **1** remains unchanged.

$$7 \div 1 = 7$$

1

× Table

$1 \times 1 = 1$
 $2 \times 1 = 2$
 $3 \times 1 = 3$
 $4 \times 1 = 4$
 $5 \times 1 = 5$
 $6 \times 1 = 6$
 $7 \times 1 = 7$
 $8 \times 1 = 8$
 $9 \times 1 = 9$
 $10 \times 1 = 10$
 $11 \times 1 = 11$
 $12 \times 1 = 12$

2

× Table

$1 \times 2 = 2$
 $2 \times 2 = 4$
 $3 \times 2 = 6$
 $4 \times 2 = 8$
 $5 \times 2 = 10$
 $6 \times 2 = 12$
 $7 \times 2 = 14$
 $8 \times 2 = 16$
 $9 \times 2 = 18$
 $10 \times 2 = 20$
 $11 \times 2 = 22$
 $12 \times 2 = 24$

3

× Table

$1 \times 3 = 3$
 $2 \times 3 = 6$
 $3 \times 3 = 9$
 $4 \times 3 = 12$
 $5 \times 3 = 15$
 $6 \times 3 = 18$
 $7 \times 3 = 21$
 $8 \times 3 = 24$
 $9 \times 3 = 27$
 $10 \times 3 = 30$
 $11 \times 3 = 33$
 $12 \times 3 = 36$

4

× Table

$1 \times 4 = 4$
 $2 \times 4 = 8$
 $3 \times 4 = 12$
 $4 \times 4 = 16$
 $5 \times 4 = 20$
 $6 \times 4 = 24$
 $7 \times 4 = 28$
 $8 \times 4 = 32$
 $9 \times 4 = 36$
 $10 \times 4 = 40$
 $11 \times 4 = 44$
 $12 \times 4 = 48$

5

× Table

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

6

× Table

$1 \times 6 = 6$
 $2 \times 6 = 12$
 $3 \times 6 = 18$
 $4 \times 6 = 24$
 $5 \times 6 = 30$
 $6 \times 6 = 36$
 $7 \times 6 = 42$
 $8 \times 6 = 48$
 $9 \times 6 = 54$
 $10 \times 6 = 60$
 $11 \times 6 = 66$
 $12 \times 6 = 72$

7

× Table

$1 \times 7 = 7$
 $2 \times 7 = 14$
 $3 \times 7 = 21$
 $4 \times 7 = 28$
 $5 \times 7 = 35$
 $6 \times 7 = 42$
 $7 \times 7 = 49$
 $8 \times 7 = 56$
 $9 \times 7 = 63$
 $10 \times 7 = 70$
 $11 \times 7 = 77$
 $12 \times 7 = 84$

8

× Table

$1 \times 8 = 8$
 $2 \times 8 = 16$
 $3 \times 8 = 24$
 $4 \times 8 = 32$
 $5 \times 8 = 40$
 $6 \times 8 = 48$
 $7 \times 8 = 56$
 $8 \times 8 = 64$
 $9 \times 8 = 72$
 $10 \times 8 = 80$
 $11 \times 8 = 88$
 $12 \times 8 = 96$

9

× Table

$1 \times 9 = 9$
 $2 \times 9 = 18$
 $3 \times 9 = 27$
 $4 \times 9 = 36$
 $5 \times 9 = 45$
 $6 \times 9 = 54$
 $7 \times 9 = 63$
 $8 \times 9 = 72$
 $9 \times 9 = 81$
 $10 \times 9 = 90$
 $11 \times 9 = 99$
 $12 \times 9 = 108$

10

× Table

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

11

× Table

$1 \times 11 = 11$
 $2 \times 11 = 22$
 $3 \times 11 = 33$
 $4 \times 11 = 44$
 $5 \times 11 = 55$
 $6 \times 11 = 66$
 $7 \times 11 = 77$
 $8 \times 11 = 88$
 $9 \times 11 = 99$
 $10 \times 11 = 110$
 $11 \times 11 = 121$
 $12 \times 11 = 132$

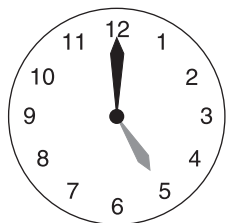
12

× Table

$1 \times 12 = 12$
 $2 \times 12 = 24$
 $3 \times 12 = 36$
 $4 \times 12 = 48$
 $5 \times 12 = 60$
 $6 \times 12 = 72$
 $7 \times 12 = 84$
 $8 \times 12 = 96$
 $9 \times 12 = 108$
 $10 \times 12 = 120$
 $11 \times 12 = 132$
 $12 \times 12 = 144$

TIME

O'CLOCK



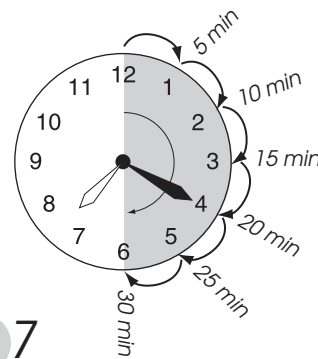
BIG HAND
on 12
LITTLE HAND
on the hour

five o'clock

5:00

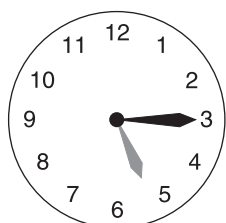
ANALOGUE - PAST

PAST -
big hand to the right



20 minutes past 7

A QUARTER PAST



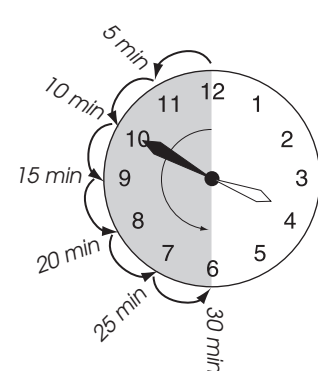
BIG HAND
on 3
LITTLE HAND
past the hour

a quarter past five

5:15

ANALOGUE - TO

TO -
big hand to the left



10 minutes to 6

HALF PAST

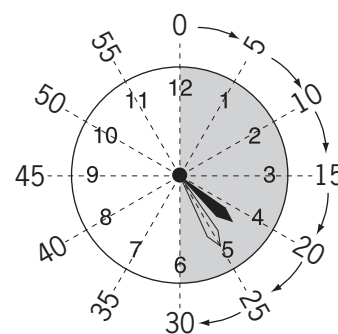


BIG HAND
on 6
LITTLE HAND
half way past
the hour

half past five

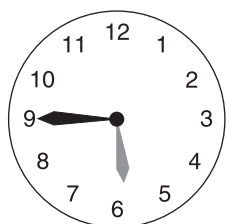
5:30

DIGITAL - PAST



4:25

A QUARTER TO

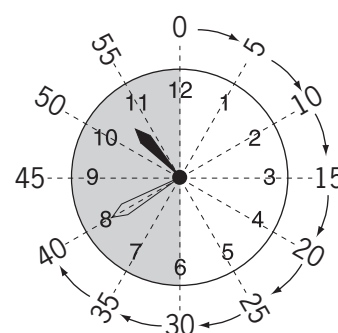


BIG HAND
on 9
LITTLE HAND
before the hour

a quarter to six

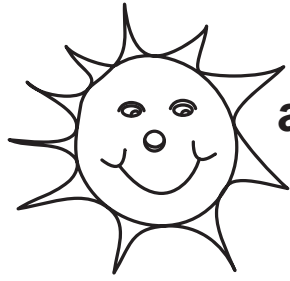
5:45

DIGITAL - TO



10:40

POSITION ... in reference to the tree



above

**north
top**

on



**west
left**

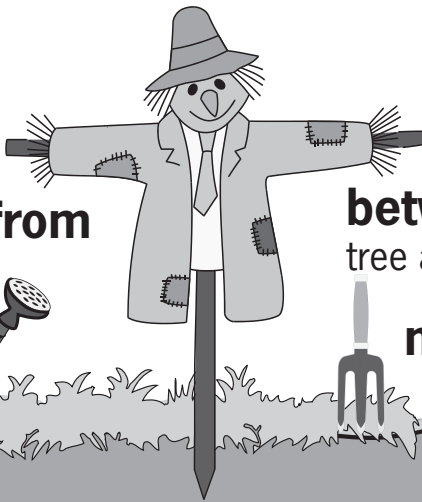
middle

**east
right**

outside

inside

furthest from



**between
tree and scarecrow**

behind



closest to

next to

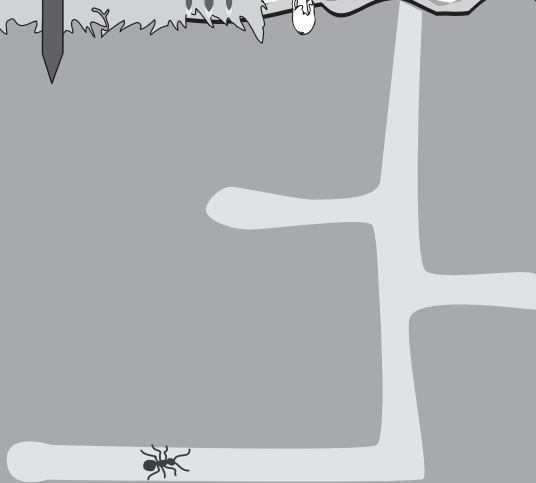


in front of






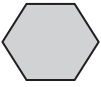

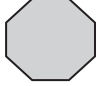
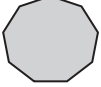
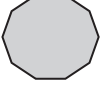
under

below



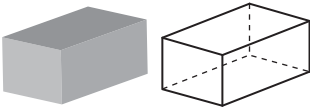
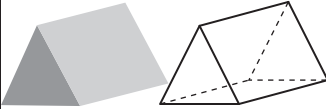
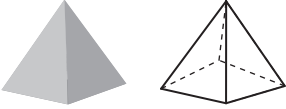





**bottom
south**

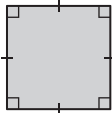

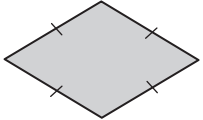


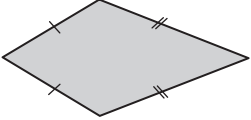
2D SHAPES

triangle 3 sides	
quadrilateral 4 sides	
pentagon 5 sides	
hexagon 6 sides	
heptagon 7 sides	
octagon 8 sides	
nonagon 9 sides	
decagon 10 sides	

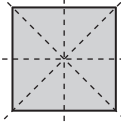

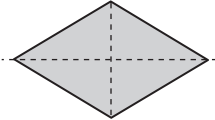


3D SHAPES

cube	
square prism	
rectangular prism	
triangular prism	
square pyramid	
cylinder	
cone	
sphere	

SPECIAL QUADRILATERALS

square	
rectangle	
rhombus	
parallelogram	
trapezium	
kite	

LINES OF SYMMETRY

square 4 lines of symmetry	
rectangle 2 lines of symmetry	
rhombus 2 lines of symmetry	
parallelogram 0 lines of symmetry	
trapezium 0 lines of symmetry	
kite 1 line of symmetry	