

# Year 1: Maths Knowledge Mat

## Numerals and Number Vocabulary

0	zero	10	ten
1	one	20	twenty
2	two	30	thirty
3	three	40	forty
4	four	50	fifty
5	five	60	sixty
6	six	70	seventy
7	seven	80	eighty
8	eight	90	ninety
9	nine	100	one hundred

## Symbols and Vocabulary

+	plus, add
-	minus, subtract
=	is equal to

## Odd and Even

<b>Odd</b> numbers end in 1, 3, 5, 7, 9
<b>Even</b> numbers end in 2, 4, 6, 8, 0

## Counting

Count forwards and backwards from **any number to and across 100**

Count in **2s** 2, 4, 6, 8, 10, 12...

Count in **5s** 5, 10, 15, 20, 25, 30...

Count in **10s** 10, 20, 30, 40, 50 ...

Say the number **one more than...**

Say the number **one less than...**

## Doubles, halves and quarters

Number	double	quarter
6	12	
7	14	
8	16	2
9	18	
10	20	
Number	half	quarter
12	6	3
14	7	
16	8	4
18	9	
20	10	5

## Number bonds within 20

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

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## Time – Sticky Knowledge

There are **24 hours in a day**

There are **60 minutes in an hour**

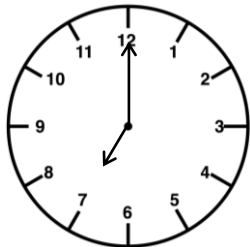
There are **60 seconds in a minute**

**A.M.** means in the morning

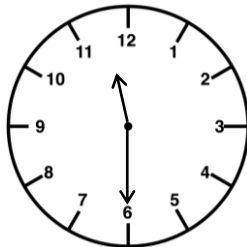
**P.M.** means in the afternoon

**O'Clock** is when the minute hand points to the 12 and the hour hand points at the hour.

**Half past** is when the minute hand points to the six and the hour hand points past the hour.



Seven o'clock



Half past eleven

### Days of the Week

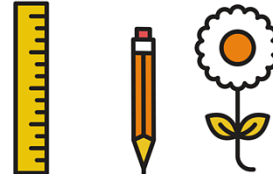
Monday  
Tuesday  
Wednesday  
Thursday  
Friday  
Saturday  
Sunday

### Months of the Year

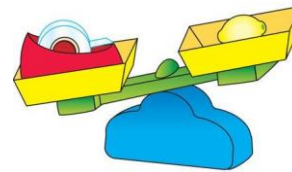
January July  
February August  
March September  
April October  
May November  
June December

## Key Vocabulary - Measurement

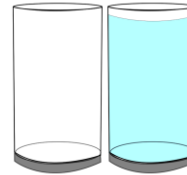
long / short  
longer / shorter  
tall / short  
double / half



heavy / light  
heavier than...  
lighter than...



full / empty  
more than...  
less than...  
half full / half empty



quicker / slower  
before / after  
first / next  
today / yesterday  
morning / afternoon / evening



## 2D Shapes

square



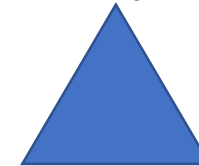
rectangle



circle



triangle

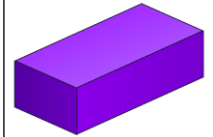


## 3D Shapes

cube



cuboid



sphere



cone



cylinder

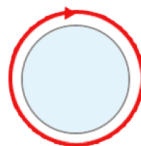


pyramid

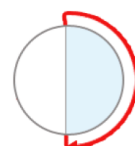


## Direction and Movement

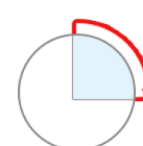
Whole turn



Half turn



Quarter turn



Three-quarter turn

