





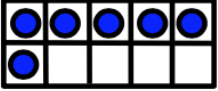

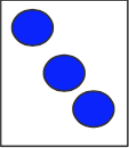

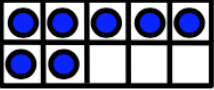
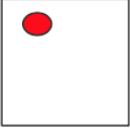





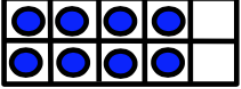







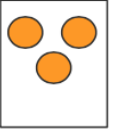

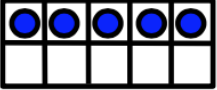

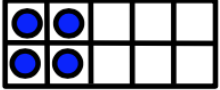


# Essential Maths Fluency Facts: EYFS to Year 6

This document provides a simple roadmap for the milestones your child will achieve at Hannah Ball Academy.

By building a strong foundation in these core facts, children develop the fluency and confidence needed to become successful mathematicians.



## Maths Facts for EYFS

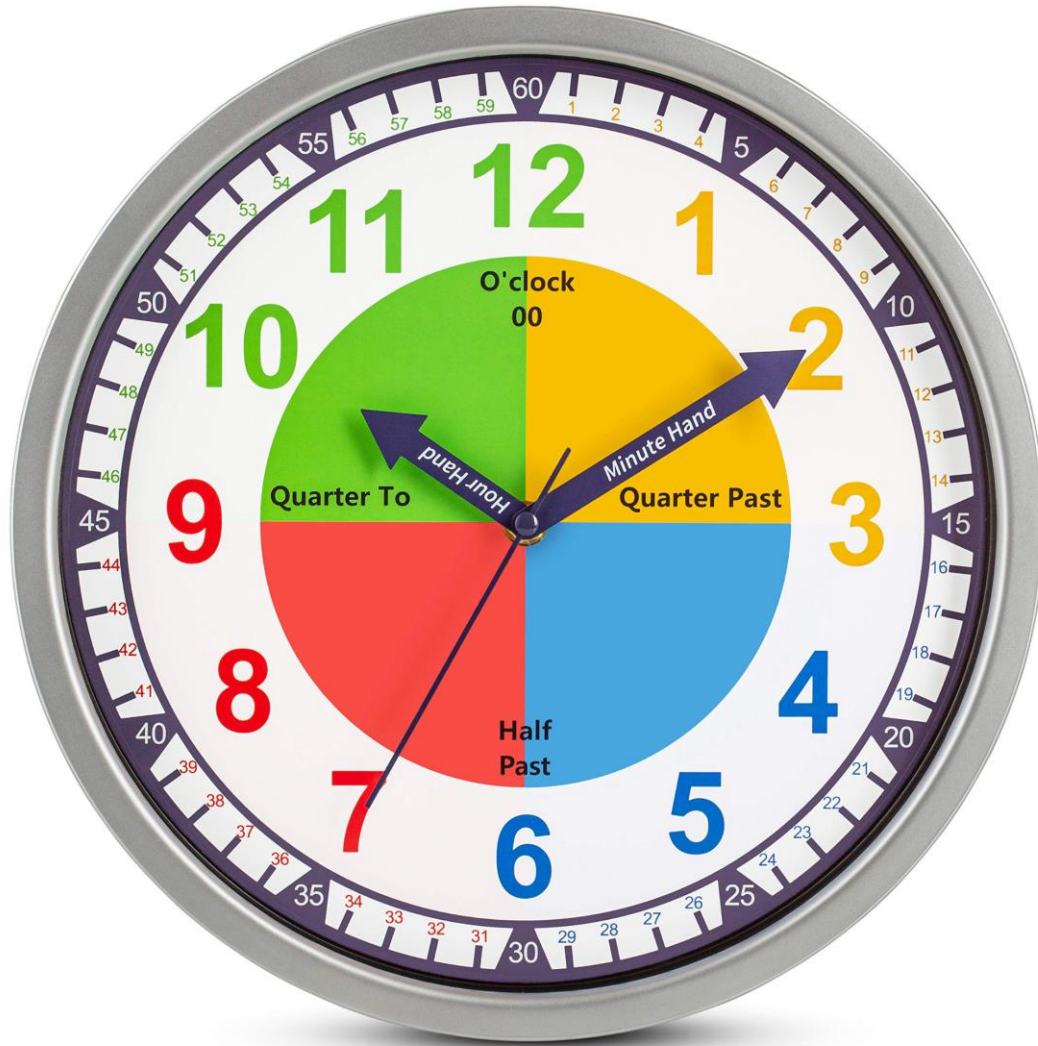
					
					
					
					
					

**Subitising:** The ability to look at a group of objects (like above) and know how many there are without counting.

**Composition:** Knowing that 7 is made of 5 and 2, or 4 and 3.

**Scaling by 10:** Knowing that if  $3 + 4 = 7$ , then  $30 + 40 = 70$ .

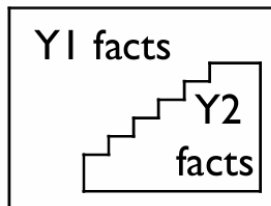
## Maths Facts for Key Stage 1 - 2: Time



### Time Facts:

60 seconds in a  
minute  
60 minutes in an  
hour

## Maths Facts for Key Stage 1: Number bonds, addition and subtraction



+	0	1	2	3	4	5	6	7	8	9	10
<b>0</b>	0+0	0+1	0+2	0+3	0+4	0+5	0+6	0+7	0+8	0+9	0+10
<b>1</b>	0+1	1+1	1+2	1+3	1+4	1+5	1+6	1+7	1+8	1+9	1+10
<b>2</b>	0+2	2+1	2+2	2+3	2+4	2+5	2+6	2+7	2+8	2+9	2+10
<b>3</b>	0+3	3+1	3+2	3+3	3+4	3+5	3+6	3+7	3+8	3+9	3+10
<b>4</b>	0+4	4+1	4+2	4+3	4+4	4+5	4+6	4+7	4+8	4+9	4+10
<b>5</b>	0+5	5+1	5+2	5+3	5+4	5+5	5+6	5+7	5+8	5+9	5+10
<b>6</b>	0+6	6+1	6+2	6+3	6+4	6+5	6+6	6+7	6+8	6+9	6+10
<b>7</b>	0+7	7+1	7+2	7+3	7+4	7+5	7+6	7+7	7+8	7+9	7+10
<b>8</b>	0+8	8+1	8+2	8+3	8+4	8+5	8+6	8+7	8+8	8+9	8+10
<b>9</b>	0+9	9+1	9+2	9+3	9+4	9+5	9+6	9+7	9+8	9+9	9+10

10	0 + 10	10 + 1	10 + 2	10 + 3	10 + 4	10 + 5	10 + 6	10 + 7	10 + 8	10 + 9	10 + 10
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Adding 0	Bonds to 10
Adding 1	Doubles
Adding 2	Near doubles

Timestable facts for Key Stage 1-2

1 x 1	1 x 2	1 x 3	1 x 4	1 x 5	1 x 6	1 x 7	1 x 8	1 x 9	1 x 10	1 x 11	1 x 12
2 x 1	2 x 2	2 x 3	2 x 4	2 x 5	2 x 6	2 x 7	2 x 8	2 x 9	2 x 10	2 x 11	2 x 12
3 x 1	3 x 2	3 x 3	3 x 4	3 x 5	3 x 6	3 x 7	3 x 8	3 x 9	3 x 10	3 x 11	3 x 12
4 x 1	4 x 2	4 x 3	4 x 4	4 x 5	4 x 6	4 x 7	4 x 8	4 x 9	4 x 10	4 x 11	4 x 12
5 x 1	5 x 2	5 x 3	5 x 4	5 x 5	5 x 6	5 x 7	5 x 8	5 x 9	5 x 10	5 x 11	5 x 12
6 x 1	6 x 2	6 x 3	6 x 4	6 x 5	6 x 6	6 x 7	6 x 8	6 x 9	6 x 10	6 x 11	6 x 12
7 x 1	7 x 2	7 x 3	7 x 4	7 x 5	7 x 6	7 x 7	7 x 8	7 x 9	7 x 10	7 x 11	7 x 12
8 x 1	8 x 2	8 x 3	8 x 4	8 x 5	8 x 6	8 x 7	8 x 8	8 x 9	8 x 10	8 x 11	8 x 12
9 x 1	9 x 2	9 x 3	9 x 4	9 x 5	9 x 6	9 x 7	9 x 8	9 x 9	9 x 10	9 x 11	9 x 12
10 x 1	10 x 2	10 x 3	10 x 4	10 x 5	10 x 6	10 x 7	10 x 8	10 x 9	10 x 10	10 x 11	10 x 12
11 x 1	11 x 2	11 x 3	11 x 4	11 x 5	11 x 6	11 x 7	11 x 8	11 x 9	11 x 10	11 x 11	11 x 12
12 x 1	12 x 2	12 x 3	12 x 4	12 x 5	12 x 6	12 x 7	12 x 8	12 x 9	12 x 10	12 x 11	12 x 12

**Upper KS2:**  
**Fractions,**  
**Decimals**  
**and**  
**Percentages**  
**(FDP)**

Year 2: 2s, 5s, 10s	This shows the times table facts and the year groups that the children first encounter them.  <b>Children should continue to practise these facts to fluency in subsequent year groups.</b>
Year 3: 3s, 4s, 8s	
Year 4: 6s, 7s, 9s, 11s, 12s	

The '*If I know this...*' Rule:

This is a major focus for the **NCETM** and **White Rose**, which we use to structure our curriculum.

Children don't need to memorise 1,000 separate things, they simply need to memorise one thing and tweak it accordingly.

For example:

*If I know*  $3 \times 4 = 12$ ,

*I also know:*

$$4 \times 3 = 12$$

**commutativity**

