

Dear Parents/Carers

Since the introduction of the New National Curriculum there has been an increased expectation that children will know and be able to recall number facts quickly without counting or using equipment – specifically number bonds and multiplication tables – to help them make better progress in Maths.

For this reason we are sending home a number bond booklet in KS1 and a multiplication booklet in KS2 to help each child learn these facts. Year 4 children will be involved in the trial multiplication tests in the Summer Term 2019. There will be time in school when the children can work on their targets but we also ask that time is given at home to do the same.

Each week the children will have time when they can show their teacher what they know about a specific fact – this will usually be in the form of a timed written test but could be verbal depending on the child. When successful the class teacher (or child depending on age) will highlight this achievement on the sheet in their homework book. Your child will receive awards at specific points and then move on to the next target.

Children learn and make progress at different rates so it may be that your child achieves the early targets quickly and moves on to more challenging sections. It is essential that each number fact section is worked through to ensure knowledge is secure. The expected number facts that need to be known for each year group should help you to gauge whether your child is on track.

Please encourage your child to take part in this challenge and enjoy their success when they achieve an award.

As always, please speak to your child's class teacher or Mrs Hordern for further information.

$0 + 1 = 1$

$1 + 1 = 2$

$2 + 1 = 3$

$3 + 1 = 4$

$4 + 1 = 5$

$5 + 1 = 6$

$6 + 1 = 7$

$7 + 1 = 8$

$8 + 1 = 9$

$9 + 1 = 10$

$10 + 1 = 11$

$0 + 2 = 2$

$1 + 2 = 3$

$2 + 2 = 4$

$3 + 2 = 5$

$4 + 2 = 6$

$5 + 2 = 7$

$6 + 2 = 8$

$7 + 2 = 9$

$8 + 2 = 10$

$9 + 2 = 11$

$10 + 2 = 12$

$0 + 3 = 3$

$1 + 3 = 4$

$2 + 3 = 5$

$3 + 3 = 6$

$4 + 3 = 7$

$5 + 3 = 8$

$6 + 3 = 9$

$7 + 3 = 10$

$8 + 3 = 11$

$9 + 3 = 12$

$10 + 3 = 13$

$0 + 4 = 4$

$1 + 4 = 5$

$2 + 4 = 6$

$3 + 4 = 7$

$4 + 4 = 8$

$5 + 4 = 9$

$6 + 4 = 10$

$7 + 4 = 11$

$8 + 4 = 12$

$9 + 4 = 13$

$10 + 4 = 14$

Bronze

I can add on 1  
more

In order

In any order

I can add on 2  
more

In order

In any order

I can add on 3  
more

In order

In any order

I can add on  
4 more

In order

In any order

$0 + 5 = 5$

$1 + 5 = 6$

$2 + 5 = 7$

$3 + 5 = 8$

$4 + 5 = 9$

$5 + 5 = 10$

$6 + 5 = 11$

$7 + 5 = 12$

$8 + 5 = 13$

$9 + 5 = 14$

$10 + 5 = 15$

$0 + 6 = 6$

$1 + 6 = 7$

$2 + 6 = 8$

$3 + 6 = 9$

$4 + 6 = 10$

$5 + 6 = 11$

$6 + 6 = 12$

$7 + 6 = 13$

$8 + 6 = 14$

$9 + 6 = 15$

$10 + 6 = 16$

$0 + 7 = 7$

$1 + 7 = 8$

$2 + 7 = 9$

$3 + 7 = 10$

$4 + 7 = 11$

$5 + 7 = 12$

$6 + 7 = 13$

$7 + 7 = 14$

$8 + 7 = 15$

$9 + 7 = 16$

$10 + 7 = 17$

Targets for the  
end of Year 1

I can add on 5  
more

In order

In any order

I can add on 6  
more

In order

In any order

I can add on  
7 more

In order

In any order

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

I can add on 8 more  
In order  
In any order

I can add on 9 more  
In order  
In any order

I can add on 10 more  
In order  
In any order

I know my number bonds to 10  
In order  
In any order



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

Targets for the end of Year 1

I know my number bonds to 20  
In order  
In any order



$1 + 1 = 2$

$2 + 2 = 4$

$3 + 3 = 6$

$4 + 4 = 8$

$5 + 5 = 10$

$6 + 6 = 12$

$7 + 7 = 14$

$8 + 8 = 16$

$9 + 9 = 18$

$10 + 10 = 20$

I can double numbers

In order

In any order

$0 + 100 = 100$

$10 + 90 = 100$

$20 + 80 = 100$

$30 + 70 = 100$

$40 + 60 = 100$

$50 + 50 = 100$

$60 + 40 = 100$

$70 + 30 = 100$

$80 + 20 = 100$

$90 + 10 = 100$

$100 + 0 = 100$

$\text{Half of } 2 = 1$

$\text{Half of } 4 = 2$

$\text{Half of } 6 = 3$

$\text{Half of } 8 = 4$

$\text{Half of } 10 = 5$

$\text{Half of } 12 = 6$

$\text{Half of } 14 = 7$

$\text{Half of } 16 = 8$

$\text{Half of } 18 = 9$

$\text{Half of } 20 = 10$

I can halve even numbers to 20

In order

In any order

$0 + 100 = 100$

$5 + 95 = 100$

$15 + 85 = 100$

$25 + 75 = 100$

$35 + 65 = 100$

$45 + 55 = 100$

$55 + 45 = 100$

$65 + 35 = 100$

$75 + 25 = 100$

$85 + 15 = 100$

$95 + 5 = 100$

$100 + 0 = 100$

Targets for the end of Year 2

$12 + 88 = 100$

$24 + 76 = 100$

$31 + 69 = 100$

$47 + 53 = 100$

$59 + 41 = 100$

$63 + 37 = 100$

$78 + 22 = 100$

$82 + 18 = 100$

$94 + 6 = 100$

$tu + tu = 100$

I know my number bonds in 10s to 100

In order

In any order

I know my number bonds in multiples of 5 to 100

In order

In any order

I know how to add two numbers to make 100



