





# Key Instant Recall Facts Stage 3



## ...Introducing Sally the Number Sentence Lady!

To help to develop children's fluency in mathematics, we would like them to learn key instant recall facts. Children need to learn each set in order i.e. number bonds to 11 then number bonds to 12. These will be checked at school weekly. Children will receive stickers for learning the addition and subtraction facts systematically (in order). Once your child has completed the whole booklet, they will receive a Sally the Number Sentence Lady badge for their book bag. There are four superhero characters to collect!

|   |   |  |   |
|---|---|--|---|
|  |  |  |  |
| Stage 1- Nina<br>the Number<br>Bond Hero  | Stage 2- Frank<br>the Number<br>Facts Man   | Stage 3- Sally<br>the Number<br>Sentence Lady  | Stage 4- Terry<br>the Times<br>Table Master   |

## How to practise number bonds at home

The secret to success is practising *little* and *often*. Use time wisely. Can you practise these Key Facts while walking to school or during a car journey? You don't need to practise them all at once: perhaps you could have a fact of the day. If you would like more ideas, please speak to your child's teacher.

### Doubles to 20

$$6 + 6 = 12$$

$$7 + 7 = 14$$

$$8 + 8 = 16$$

$$9 + 9 = 18$$

$$10 + 10 = 20$$



### Halves to 20

$$\text{Half of } 12 = 6$$

$$\text{Half of } 14 = 7$$

$$\text{Half of } 16 = 8$$

$$\text{Half of } 18 = 9$$

$$\text{Half of } 20 = 10$$



## Number bonds to 11

$0 + 11 = 11$

$1 + 10 = 11$

$2 + 9 = 11$

$3 + 8 = 11$

$4 + 7 = 11$

$5 + 6 = 11$

$6 + 5 = 11$

$7 + 4 = 11$

$8 + 3 = 11$

$9 + 2 = 11$

$10 + 1 = 11$

$11 + 0 = 11$

$11 - 0 = 11$

$11 - 1 = 10$

$11 - 2 = 9$

$11 - 3 = 8$

$11 - 4 = 7$

$11 - 5 = 6$

$11 - 6 = 5$

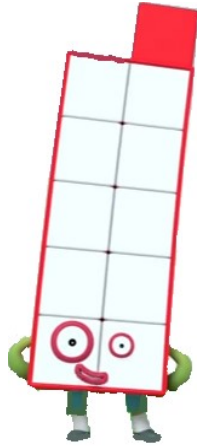
$11 - 7 = 4$

$11 - 8 = 3$

$11 - 9 = 2$

$11 - 10 = 1$

$11 - 11 = 0$



## Number bonds to 12

$0 + 12 = 12$

$1 + 11 = 12$

$2 + 10 = 12$

$3 + 9 = 12$

$4 + 8 = 12$

$5 + 7 = 12$

$6 + 6 = 12$

$7 + 5 = 12$

$8 + 4 = 12$

$9 + 3 = 12$

$10 + 2 = 12$

$11 + 1 = 12$

$12 + 0 = 12$

$12 - 0 = 12$

$12 - 1 = 11$

$12 - 2 = 10$

$12 - 3 = 9$

$12 - 4 = 8$

$12 - 5 = 7$

$12 - 6 = 6$

$12 - 7 = 5$

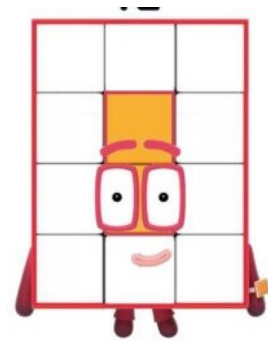
$12 - 8 = 4$

$12 - 9 = 3$

$12 - 10 = 2$

$12 - 11 = 1$

$12 - 12 = 0$



I can recall the addition facts systematically.



I can recall the subtraction facts systematically.



I can recall the addition facts systematically.



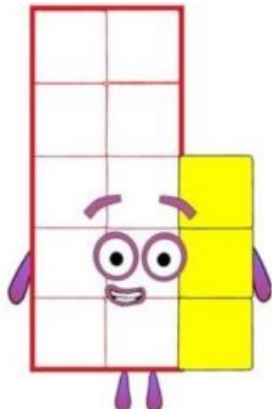
I can recall the subtraction facts systematically.



## Number bonds to 13

$$\begin{aligned}0 + 13 &= 13 \\1 + 12 &= 13 \\2 + 11 &= 13 \\3 + 10 &= 13 \\4 + 9 &= 13 \\5 + 8 &= 13 \\6 + 7 &= 13 \\7 + 6 &= 13 \\8 + 5 &= 13 \\9 + 4 &= 13 \\10 + 3 &= 13 \\11 + 2 &= 13 \\12 + 1 &= 13 \\13 + 0 &= 13\end{aligned}$$

$$\begin{aligned}13 - 0 &= 13 \\13 - 1 &= 12 \\13 - 2 &= 11 \\13 - 3 &= 10 \\13 - 4 &= 9 \\13 - 5 &= 8 \\13 - 6 &= 7 \\13 - 7 &= 6 \\13 - 8 &= 5 \\13 - 9 &= 4 \\13 - 10 &= 3 \\13 - 11 &= 2 \\13 - 12 &= 1 \\13 - 13 &= 0\end{aligned}$$



I can recall the  
addition facts  
systematically.



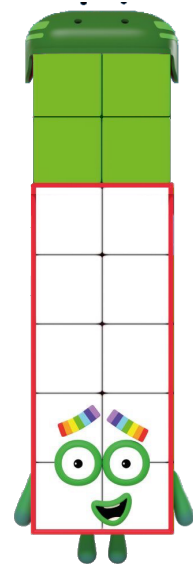
I can recall the  
subtraction facts  
systematically.



## Number bonds to 14

$$\begin{aligned}0 + 14 &= 14 \\1 + 13 &= 14 \\2 + 12 &= 14 \\3 + 11 &= 14 \\4 + 10 &= 14 \\5 + 9 &= 14 \\6 + 8 &= 14 \\7 + 7 &= 14 \\8 + 6 &= 14 \\9 + 5 &= 14 \\10 + 4 &= 14 \\11 + 3 &= 14 \\12 + 2 &= 14 \\13 + 1 &= 14 \\14 + 0 &= 14\end{aligned}$$

$$\begin{aligned}14 - 0 &= 14 \\14 - 1 &= 13 \\14 - 2 &= 12 \\14 - 3 &= 11 \\14 - 4 &= 10 \\14 - 5 &= 9 \\14 - 6 &= 8 \\14 - 7 &= 7 \\14 - 8 &= 6 \\14 - 9 &= 5 \\14 - 10 &= 4 \\14 - 11 &= 3 \\14 - 12 &= 2 \\14 - 13 &= 1 \\14 - 14 &= 0\end{aligned}$$



I can recall the  
addition facts  
systematically.

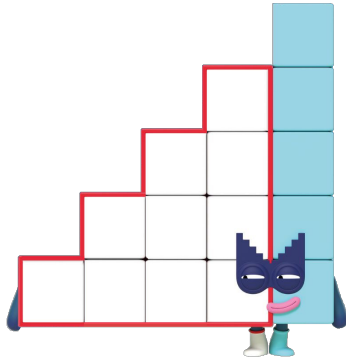


I can recall the  
subtraction facts  
systematically.



## Number bonds to 15

- $0 + 15 = 15$   
 $1 + 14 = 15$   
 $2 + 13 = 15$   
 $3 + 12 = 15$   
 $4 + 11 = 15$   
 $5 + 10 = 15$   
 $6 + 9 = 15$   
 $7 + 8 = 15$   
 $8 + 7 = 15$   
 $9 + 6 = 15$   
 $10 + 5 = 15$   
 $11 + 4 = 15$   
 $12 + 3 = 15$   
 $13 + 2 = 15$   
 $14 + 1 = 15$   
 $15 + 0 = 15$



- $15 - 0 = 15$   
 $15 - 1 = 14$   
 $15 - 2 = 13$   
 $15 - 3 = 12$   
 $15 - 4 = 11$   
 $15 - 5 = 10$   
 $15 - 6 = 9$   
 $15 - 7 = 8$   
 $15 - 8 = 7$   
 $15 - 9 = 6$   
 $15 - 10 = 5$   
 $15 - 11 = 4$   
 $15 - 12 = 3$   
 $15 - 13 = 2$   
 $15 - 14 = 1$   
 $15 - 15 = 0$

I can recall the addition facts systematically.

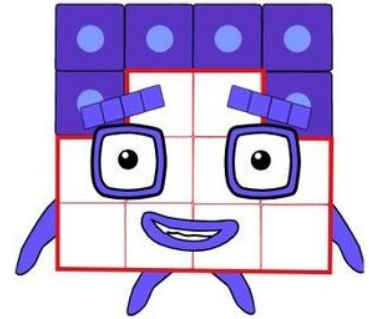


I can recall the subtraction facts systematically.



## Number bonds to 16

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



- $16 - 0 = 16$   
 $16 - 1 = 15$   
 $16 - 2 = 14$   
 $16 - 3 = 13$   
 $16 - 4 = 12$   
 $16 - 5 = 11$   
 $16 - 6 = 10$   
 $16 - 7 = 9$   
 $16 - 8 = 8$   
 $16 - 9 = 7$   
 $16 - 10 = 6$   
 $16 - 11 = 5$   
 $16 - 12 = 4$   
 $16 - 13 = 3$   
 $16 - 14 = 2$   
 $16 - 15 = 1$   
 $16 - 16 = 0$

I can recall the addition facts systematically.



I can recall the subtraction facts systematically.



## Number bonds to 17

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



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

I can recall the addition facts systematically.

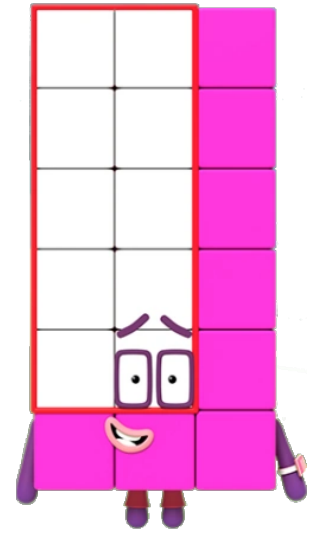


I can recall the subtraction facts systematically.



## Number bonds to 18

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



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

I can recall the addition facts systematically.



I can recall the subtraction facts systematically.



## Number bonds to 19

$0 + 19 = 19$

$1 + 18 = 19$

$2 + 17 = 19$

$3 + 16 = 19$

$4 + 15 = 19$

$5 + 14 = 19$

$6 + 13 = 19$

$7 + 12 = 19$

$8 + 11 = 19$

$9 + 10 = 19$

$10 + 9 = 19$

$11 + 8 = 19$

$12 + 7 = 19$

$13 + 6 = 19$

$14 + 5 = 19$

$15 + 4 = 19$

$16 + 3 = 19$

$17 + 2 = 19$

$18 + 1 = 19$

$19 + 0 = 19$

$19 - 0 = 19$

$19 - 1 = 18$

$19 - 2 = 17$

$19 - 3 = 16$

$19 - 4 = 15$

$19 - 5 = 14$

$19 - 6 = 13$

$19 - 7 = 12$

$19 - 8 = 11$

$19 - 9 = 10$

$19 - 10 = 9$

$19 - 11 = 8$

$19 - 12 = 7$

$19 - 13 = 6$

$19 - 14 = 5$

$19 - 15 = 4$

$19 - 16 = 3$

$19 - 17 = 2$

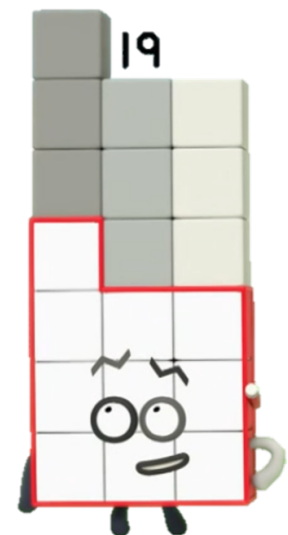
$19 - 18 = 1$

$19 - 19 = 0$

I can recall the  
addition facts  
systematically.



I can recall the  
subtraction facts  
systematically.



## Number bonds to 20

$0 + 20 = 20$

$1 + 19 = 20$

$2 + 18 = 20$

$3 + 17 = 20$

$4 + 16 = 20$

$5 + 15 = 20$

$6 + 14 = 20$

$7 + 13 = 20$

$8 + 12 = 20$

$9 + 11 = 20$

$10 + 10 = 20$

$11 + 9 = 20$

$12 + 8 = 20$

$13 + 7 = 20$

$14 + 6 = 20$

$15 + 5 = 20$

$16 + 4 = 20$

$17 + 3 = 20$

$18 + 2 = 20$

$19 + 1 = 20$

$20 + 0 = 20$

$20 - 0 = 20$

$20 - 1 = 19$

$20 - 2 = 18$

$20 - 3 = 17$

$20 - 4 = 16$

$20 - 5 = 15$

$20 - 6 = 14$

$20 - 7 = 13$

$20 - 8 = 12$

$20 - 9 = 11$

$20 - 10 = 10$

$20 - 11 = 9$

$20 - 12 = 8$

$20 - 13 = 7$

$20 - 14 = 6$

$20 - 15 = 5$

$20 - 16 = 4$

$20 - 17 = 3$

$20 - 18 = 2$

$20 - 19 = 1$

$20 - 20 = 0$

I can recall the  
addition facts  
systematically.



I can recall the  
subtraction facts  
systematically.

