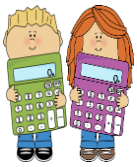

Number Bonds (to 20)

There are lots of different ways to make a number (one more than the number itself, e.g. there are 16 ways to make 15). Use your knowledge of number bond addition facts to complete the grids below. Try to fill in all the possible answers for each number and write them in order (from 0).

LI: We are learning about numbers

LC: Number Bonds to 20 (Addition)

SC: I know that numbers can be made in different ways – SA

I know different ways to make each number shown - SA

I know the number of different ways is one more than each number - SA

I can write <u>all</u> the different ways to make each number

Challenge: I can write the different ways in pattern order (starting from 0)

I can create my own grids and write number bond patterns for numbers bigger than 20 - SA

11	12
●	●
●	●
●	●
●	●
●	●
●	●
●	●
●	●
●	●
●	●
●	●
●	●
	●

13	14
•	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•

15	16
●	●
●	●
●	●
●	●
●	●
●	●
●	●
●	●
●	●
●	●
●	●
●	●
●	●
●	●
●	●
●	●
●	●
●	●
●	●
●	●

17	18
•	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•
	•

19	20
•	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•
	•

Answers	
11	12
• 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	• 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
13	14
• 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	• 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
15	16
• 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	• 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

17	18
• 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	• 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
19	20
• 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	• 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