Build a Band

Teachers Notes

There are five main basic addition strategies that children learn on their way to becoming fluent or being able to recall basic addition facts. These should be taught in the following order:

- **Count on from the larger number 1, 2, 3 or 0**. Teach the children to think big and count small as this reduces the pressure on short term working memory.

- **Build to ten.** New facts include: 4 + 6, 5 + 5, 6 + 4.

- **Doubles.** 4 + 4, 6 + 6, 7 + 7, 8 + 8, 9 + 9. Children should already know 1 + 1, 2 + 2 and 3 + 3 from previous strategies.

- **Near doubles.** This strategy relies on knowing your doubles facts and using them to work out the answer to a nearby fact. A question such as 6 + 7 may be answered by thinking 6 + 6 = 12 and one more makes 13 or 7 and 7 makes 14 and one less is 13.

- **Bridge ten.** This strategy relies on children knowing the make or build to ten facts fluently and being able to partition numbers so that they may be efficiently added. For example 9 and 6 may be thought of as 9 + 1 = 10 and another 5 makes 15. Placing two ten frames side by side and filling them with two different coloured counters will help students establish the bridge ten facts.
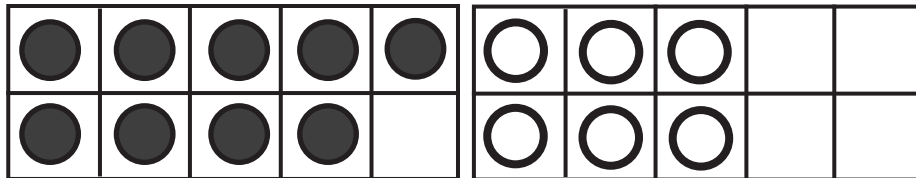
9 and 6

becomes 10 and 5
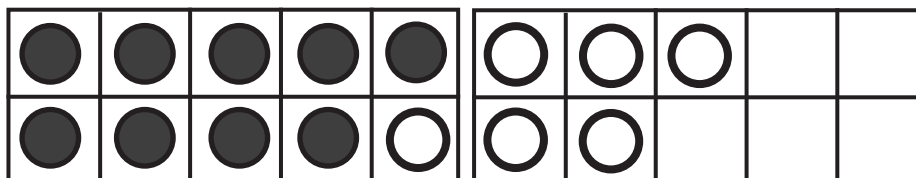
One player may be allocated the role of 'Band Manager', much in the same way that a player may take on the role of banker in other games. The Band Manager is given the 'Band Contract' – a grid showing all of the addition facts used when playing the different versions of the game.

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BAND CONTRACT

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