

## Bean Addition

### Purpose:

The purpose of this activity is to help your child to learn the number facts to 5 and to 10.

### Link to Number Framework:

Number Facts, Stages 0-3

### What you need:

10 haricot beans, small stones, or similar. Paint these on one side using spray paint, nail polish or acrylic paint.

### What to do:

Work with 5 objects at first until your child can give the combinations to five very quickly. Then use 10 objects.

- Take 5 beans. Scatter the beans – some will land with the coloured side up.
- Talk about the combination. Eg. For 3 coloured beans and 2 plain beans:  
*3 and 2 make 5*  
*There are 3 coloured beans, how many to make 5?*  
*I've got the 3 coloured beans, you've got the 2 plain beans. How many altogether?*
- Ask your child to show you the number fact using the fingers on one hand. For example, to show 3 coloured beans and 2 plain beans put 3 fingers up and 2 fingers down.
- Scatter the beans again, talk about the new combinations and ask your child to show these on their fingers.

Work with 10 beans when your child is confident with 5 beans. When using fingers to show the number facts to 10, fill up one hand first.

### What to expect your child to do:

- Recall the number facts to 5 and 10 instantly.
- Make the links between combinations within 5: 1+4, 3+2, 2+3 ... and the fingers on one hand.
- Make the links between combinations within 10: 6+4, 8+2, 3+7 ... and the fingers on both hands.

### He Kupu Māori

|                      |                             |
|----------------------|-----------------------------|
| addition fact        | meka tāpiri                 |
| number facts to five | ngā meka tauhono o te rima  |
| number facts to ten  | ngā meka tauhono o te tekau |

### He Whakawhitinga Kōrero:

- Tangohia kia rima ngā pīni. Tukuna kia marara. Ko te taha karakara o ētahi ka anga whakarunga. Ko te taha kara-kore o ētahi ka anga whakarunga. (*Take 5 beans. Scatter them. The coloured side of some beans are facing upward. The plain side of some beans are facing upward*)
- E hia ngā pīni e anga whakarunga ana te taha karakara? E hia ngā pīni kara-kore? (*How many beans have the coloured side facing upward? How many of the plain sides?*)
- Tāpirihia te 3 me te 2, ka hia? (*Add 3 and 2, how many?*)
- E toru ngā pīni e anga whakarunga ana te taha karakara. E hia atu anō ka rima? (*There are 3 beans with the coloured side facing upward. How many more make 5?*)
- E toru aku pīni karakara. E rua ō pīni kara-kore. E hia katoa ngā pīni? (*I have three coloured beans, you have 2 plain beans. How many beans altogether?*)
- Whakaaturia mai te tāpiritanga ki ō matimati. (*Show the addition with your fingers.*)