

## Bean Addition

### Purpose:

You can help your child to learn the number facts to 5 and to 10.

### 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.*)