

Bag of Beans

Approach: One to one

Level: Year 4 and year 8

Focus: Probability.

Resources: Bag of beans: 8 blue, 8 green, 8 orange, recording book.

Questions/instructions

Take beans out of bag, and place on the table.

1. I want you to choose 6 beans to put back into the bag. Choose them so that I would always pull out a green bean if I put my hand in to take one out.

6 green beans in bag 68 89

% responses

y4 y8

Place all beans on the table.

2. YEAR 4

This time choose 8 beans to put back in the bag. Choose them so that I would have the same chance of pulling out an orange bean, or another colour.

4 orange beans and 4 other beans 46 •

YEAR 8

This time choose 8 beans to put back in the bag. Choose them so that I would have a 50 percent chance of pulling out an orange bean.

4 orange beans and 4 other beans • 83

% responses

y4 y8