

*Approach:* Station

*Level:* Year 4 and year 8

*Resources:* Open rectangular box, 3 boxes of raisins, 2 packets of *Fruit Bursts*, 5 *Minties* (cubes), ruler, calculator.



## Questions/instructions

% responses

- |  | y4 | y8 |    |
|--|----|----|----|
| 1. How many boxes of raisins could fit inside the empty box so that it is full?        | 18 | 20 | 56 |
| 2. How many packets of Fruit Bursts could fit inside the empty box so that it is full? | 12 | 34 | 68 |
| 3. How many Minties could fit inside the empty box so that it is full?                 | 80 |    | 29 |

## Commentary

Students needed to use the samples provided to work out how many items would fit in each layer, then how many layers there would be. Predictably, the task was more difficult when the numbers involved were larger.