

# The Potluck Paint Company

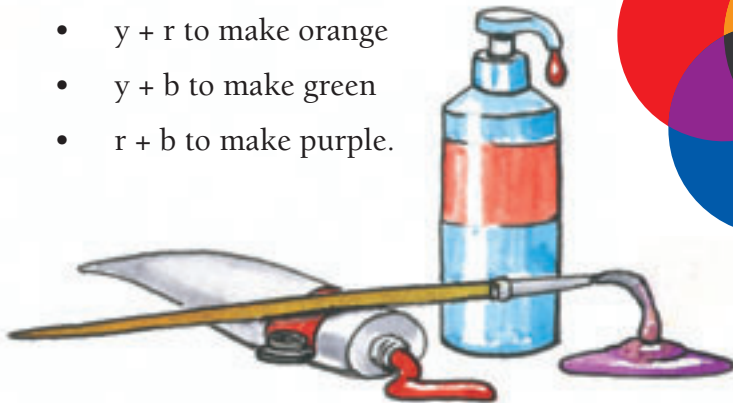
**You need**  a classmate  water-based paints  paint pots  
 a stick or something to mix your paints with

## Activity

Scarlett, the colour designer for the Potluck Paint Company, was experimenting with primary colours.

She knew the secondary colours were:

- $y + r$  to make orange
- $y + b$  to make green
- $r + b$  to make purple.



She wanted to make up some more exciting colours.

First she mixed:

- $2r + y$  to make a colour she called Hawke's Bay Orange
- $2r + b$  to make a colour she called Motueka Plum
- $2y + r$  to make a colour she called Otago Peach
- $2b + r$  to make a colour she called Tararua Haze.

She added one squirt of yellow to Otago Peach to make Arrowtown Apricot and wrote the formula like this:

$$2y + r + y.$$

Then she made Pukerua Blue by adding one more squirt of blue to Tararua Haze.

Scarlett wrote her new paint chart like this:

Arrowtown Apricot:  $3y + r$

Pukerua Blue:  $3b + r$

With a classmate, make up some new colours for the Potluck Paint Company and write out your formulae (try mixing your colours too).

Give your colours new names.

