

# Find the Spot

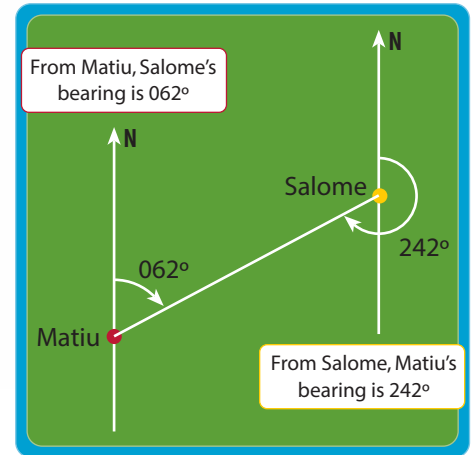
You need: a photocopy of the map copymaster, a map of your school, a protractor, a ruler, a classmate

## ACTIVITY

A bearing is always measured **clockwise** from **north**



A bearing always has 3 digits – even 000°!



The students in Room 4 made up “find the spot” clues for their classmates.

- Each person found a spot on the school grounds.
- While standing there, they wrote down the compass bearings of 3 features.
- They then exchanged clues and had to use the bearings to work out where the writer had been standing.

Here are the clues some students wrote for their classmates:

### Cameron's clues

- 017° to the tree by the changing sheds
- 049° to the swimming pool gate
- 135° to the centre of the eastern try line.

### Ashley's clues

- 115° to the northern end of Rooms 9 and 10
- 263° to the flagpole
- 340° to the tree behind the office and Rooms 6, 7, and 8.

### Jayish's clues

- 280° to the shed
- 255° to the incinerator
- 000° to the eastern end of Rooms 3, 4, and 5.

### Rawinia's clues

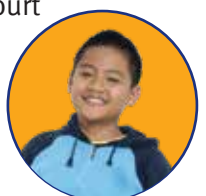
- 035° to the north-western corner flag on the rugby field
- 326° to the northern goal of the western netball court
- 128° to the puriri tree.

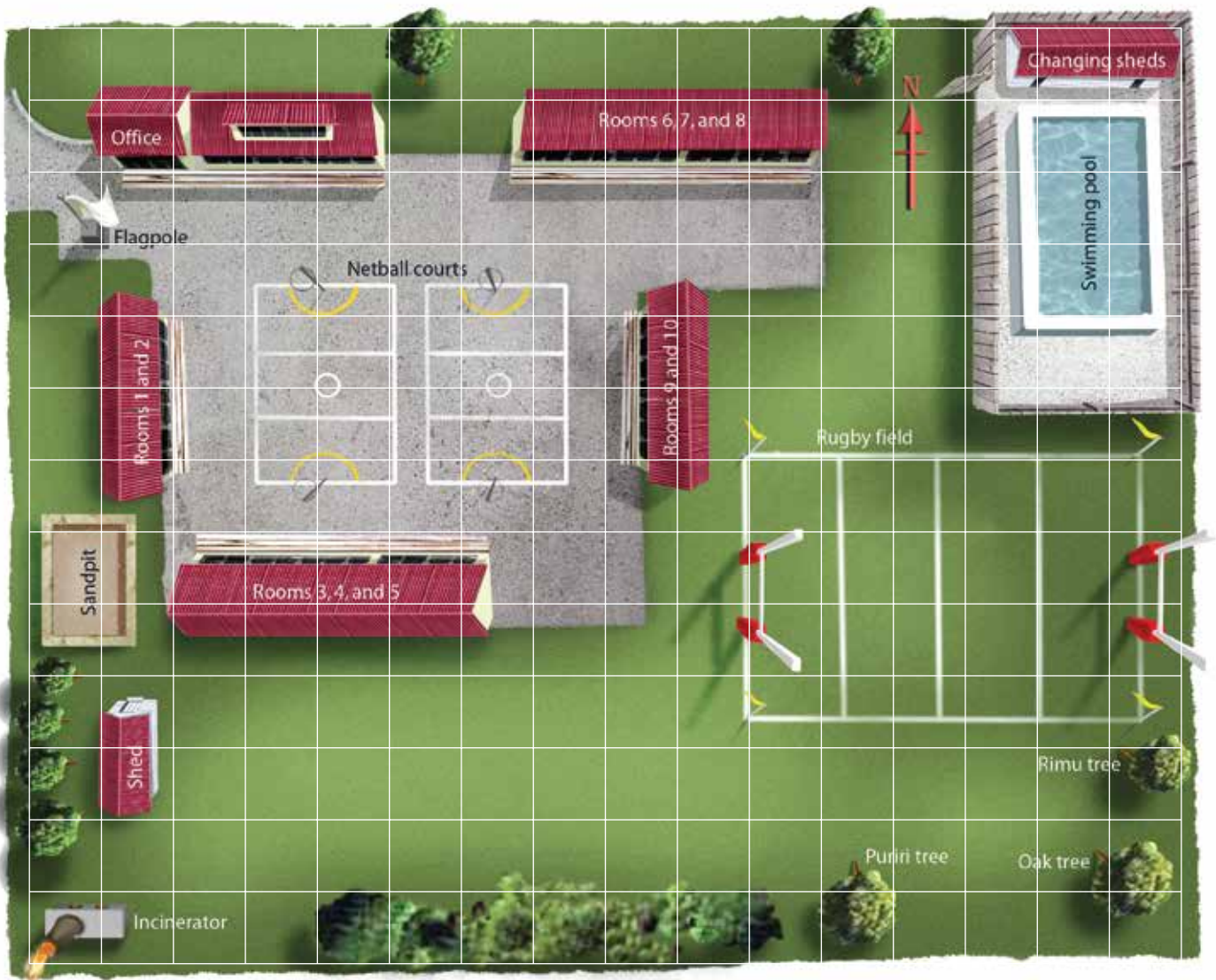
### Dingari's clues

- 196° to the puriri tree
- 250° to the centre of the western try line
- 145° to the rimu tree.

### Dylan's clues

- 067° to the centre circle of the eastern netball court
- 348° to the office
- 235° to the sandpit.





1. Use the map to find where the students were standing. Mark and name the 6 spots.
2.
  - a. Why don't the directions need to include distance?
  - b. How many bearings are needed to "fix" a spot?
3. Using a map of your school and a protractor, make up some "find the spot" problems for a classmate to solve. See if they can!