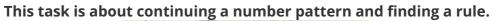
## **Morning coffee**





At morning tea some of the teachers at Atawhai School make their coffee in the microwave.

It takes time to boil mugs of coffee in a microwave. This is shown in the table below. a) Complete the table by filling in the missing entries.

| Number of mugs        | 1   | 2 | 3   | 4 | 5 |
|-----------------------|-----|---|-----|---|---|
| Number of minutes for | 1 5 | n | 15  |   |   |
| mugs to boil          | 1.5 | 3 | 4.5 |   |   |

| b) Whaea Anne put some mugs of coffee into the microwave and calculated that they should take 10.5 minutes to boil. |
|---------------------------------------------------------------------------------------------------------------------|
| How many mugs were there?                                                                                           |
| c) Complete the rule by filling in the box below.                                                                   |
| The time taken to boil any number of mugs = the number of mugs × minutes.                                           |