

# Morning coffee

This task is about continuing a number pattern and finding a rule.



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.

<b>Number of mugs</b>	1	2	3	4	5
<b>Number of minutes for mugs to boil</b>	1.5	3	4.5	<input type="text"/>	<input type="text"/>

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.

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