

Approach: Station

Year: 4 & 8

Focus: Evaluating decisions and consequences

Resources: 3 pictures

Questions / instructions:

Tane's mum uses a hāngi, an electric oven and a microwave. All are useful for cooking.

There are good things about using each of these ways.



1. Why is a hāngi useful for cooking?
2. When would you use a hāngi?

good for cooking food for lots of people	14	35
doesn't require electricity (<i>can cook outside</i>)	20	35
important for cultural/social occasions	37	65
doesn't need a lot of attention during cooking	2	4



3. Why is an electric oven useful for cooking?
4. When would you use an electric oven?

can control temperatures accurately	5	14
can cook in lots of different ways:		
– including at same time	2	4
– not including at same time	16	25

% responses
y4 y8



5. Why is a microwave useful for cooking?
6. When would you use a microwave?

cooks quickly	27	56
good for defrosting, reheating	44	48
low energy use/doesn't heat environment as much as stove	0	1

Overall extent to which student was able to justify comparisons of the three cooking methods:

three or more valid comparisons	0	1
two valid comparisons	2	4
one valid comparison	14	20
no valid comparisons	84	75

Total score:	6–13	1	8
	4–5	9	31
	3	20	28
	2	26	23
	0–1	44	10

% responses
y4 y8

Commentary:

About 30 percent more year 8 than year 4 students obtained a total score of four or more.