

Answer the following questions.

1. Write down 10 possible hazards in a kitchen, and how to prevent them.

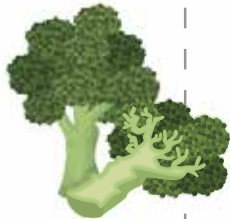
2. Who is responsible for kitchen safety?

3. What should you do if the equipment isn't clean before you start making your mocktails?

4. What should you do if the equipment isn't working or if it breaks?

5. What should you do if you or somebody else hurts themselves when working in our kitchen?

Link each fruit and vegetable to its name.



- banana
- pumpkin
- carrot
- sweetcorn
- grapes
- tomato
- strawberry
- potato
- capsicum
- watermelon
- cherry
- pear
- eggplant
- broccoli
- apple
- cucumber
- onion
- beetroot
- orange
- kiwifruit
- chilli
- garlic
- avocado

Label each fruit in this display.



Research the definition for a mocktail.

Why should this activity really use the word "mocktail" and not "cocktail"?

Now complete the activity with people in your group.
Glue a small copy of the activity into your book.

Mathematical Thinking Levels 3-4

RJ's Fabulous Juice Bar

You need a classmate

Activity

Three sizes!

Small 300 mL
Medium 600 mL
Large 1 L

Three flavours!

Hawaiian
Tropical
Pineapple Punch

Hawaiian
1 part orange
2 parts pineapple
2 parts mango

Tropical
1 part coconut milk
2 parts mango
1 part orange

Pineapple Punch
2 parts pineapple
1 part apple

Salesi has an after-school job at RJ's Fabulous Juice Bar. He uses RJ's special recipes to mix juice cocktails.

- To mix a small Hawaiian, how much mango juice does Salesi need?

Hives ... A 7 Hawaiian has 5 parts. A small Hawaiian is 300 mL. So 1 part is ...
- Which needs more pineapple juice: a medium Hawaiian or a medium Pineapple Punch? How do you know?
- How much coconut milk is in a large Tropical?
- Salesi thinks a small Tropical is the hardest cocktail to make. How much of each ingredient does he need to make one?
 - a tiny Hawaiian
 - a giant Tropical.
- Make up a cocktail problem for a classmate to solve.

Hives ... Peach, orange, and apple sounds tasty! I wonder how many parts of each I'll need!

Using equivalent ratios and fractions of amounts

Multiplicative Thinking, Levels 3-4

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Activity

Three sizes!

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Hawaiian

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Tropical

- 1 part coconut milk
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Pineapple Punch

- 2 parts pineapple
- 1 part apple

Salesi has an after-school job at RJ's Fabulous Juice Bar. He uses RJ's special recipes to mix juice cocktails.

- To mix a small Hawaiian, how much mango juice does Salesi need?
- Salesi thinks a small Tropical is the hardest cocktail to make. How much of each ingredient does he need to make one?
- RJ's decides to also sell tiny and giant-sized cocktails. Think about some possible sizes (in millilitres) for each new size. Use one possible amount for each and work out how much of each ingredient you would need to make:
 - a tiny Hawaiian
 - a giant Tropical.
- Make up a cocktail problem for a classmate to solve.

Hmm ... A Hawaiian has 5 parts, A small Hawaiian is 300 mL. So 1 part is ...

Hmm ... Peach, orange, and apple sounds tasty! I wonder how many parts of each I'd need?

Using equivalent ratios and fractions of amounts

1

Investigate how many millilitres (ml) are in the following measures:

Common Measurement	ml
1 Litre (L)	
1 Cup (C)	
$\frac{1}{2}$ Cup	
1 Level Tablespoon (T)	
1 Level Deserts spoon (D)	
1 Level Teaspoon (t)	
1 Scant Cup	

Answer the following questions:

- How many t in a T?
- How many $\frac{1}{4}$ C in 1 C?
- How many C are in a L?
- How many T in a C?

In this puzzle there are five students representing five different classes. Your task is to cut out and match the statements to each student in order to work out the make up of their classes.

There are 2 girls to every 3 boys in my class.	There are ___ girls and 7 boys in my class.	The ratio of girls to boys in my class is 1:2	The ratio of girls to boys in my class is 4:5
My name is Sam and there are 30 pupils in my class.	My name is Ashley and there are 21 pupils in my class.	There are 10 girls and 15 boys in my class.	There are 10 girls and 20 boys in my class.
The ratio of girls to boys in my class is 20:8	The ratio of girls to boys in my class is 14:7	There is 1 girl to every ___ boys in my class.	The ratio of girls to boys in my class is 12:___
The ratio of girls to boys in my class is 2:1	My name is Connor and there are 27 pupils in my class.	There are 4 girls to every 5 boys in my class.	There are 5 girls to every 2 boys in my class.
The ratio of girls to boys in my class is 10:20	My name is Tisharn and there are 28 pupils in my class.	The ratio of girls to boys in my class is ___:2	There are 2 girls to every boy in my class.

Identify each item in the picture below.



1. _____

7. _____

2. _____

8. _____

3. _____

9. _____

4. _____

10. _____

5. _____

11. _____

6. _____

12. _____

Research answers to the following questions and record your answers.

What is the name for two numbers expressed as 2:5?

What is the name for the : sign?

What does ratio mean?

Find out about five different applications of ratios: