

# NEXT STATION

4

CLIL BOOK

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# CONTENTS

## SUBJECT

## THEME

## LANGUAGE

## MY LEARNING GOALS

UNIT  
1

### FRACTIONS AND PERCENTAGE

Math

Numbers

- fractions (fraction of a whole, fraction of a set, equivalent fractions, numerator, denominator, one half, one third, one fourth, one fifth, two ninths)
- percentage
- She ate  $\frac{2}{8}$  of the pizza.

Calculate percentages using personal strategies, mental math, and / or a calculator

PAGES 4-9

UNIT  
2

### POLLUTION

Geography

Nature, Environments, and Quality of Life

- renewable energy, littering, deforestation, recycling, burning of fossil fuels, green area
- pollution (air pollution, water pollution, land pollution, carbon dioxide, gas, artificial fertilizers, dumping of litter, chemical substances)
- There are three main forms of pollution.

Recognize and compare forms of pollution

PAGES 10-15

UNIT  
3

### BODY FUNCTIONS

Science

Life and Evolution

- living organisms (cell, tissue, organ, system, organism)
- respiratory system (nose, mouth, trachea, lungs, bronchi, diaphragm, alveoli)
- digestive system (esophagus, stomach, small intestine, large intestine)
- Teeth chew the food and saliva helps dissolve it.

Understand why the respiratory and digestive systems are important for the body

PAGES 16-21

UNIT  
4

### CITIZENSHIP

History

People and Culture: My Place in the World and My Social Group

- citizenship (rights, duties, vote, pay taxes, democracy, freedom, equality, fraternity, Code of Hammurabi)
- Citizens have rights, duties, and responsibilities.

Associate the concept of citizenship with respect for diversity and human rights

PAGES 22-27

UNIT  
5

### MARTIAL ARTS

PE

Combat Sports

- Martial arts (Karate, Aikido, Judo, Capoeira, Taekwondo, self-defense, competition, mental and spiritual development)
- Capoeira (*roda*, *berimbau*, drums, dance, acrobatics, music)
- Taekkyeon (low kicks, jump)
- Martial arts can be practiced for self-defense, competition, or mental and spiritual development.

Recognize the difference between martial arts and other body practices

PAGES 28-33

UNIT  
6

### TYPES OF CITIES

Geography

Connections and Scales

- landscapes (rural, urban)
- types of cities (emergent, planned)
- functions of cities (financial center, security, religious center, government administration, manufacturing center, service center)
- urbanization (employment and education opportunities, social services, urban growth, housing, water supplies, sanitation, health care facilities, living conditions)
- Cities can develop differently. / London is known for its function as a financial center.

Identify the types and functions of cities analyzing social, economic, and environmental changes

PAGES 34-39

**SUBJECT**

**THEME**

**LANGUAGE**

**MY LEARNING GOALS**



**GRAPHS**

**Math**

Statistics and Probability

- graphs (line graph, bar graph, quantities, pattern, trend, data, values, axis, points)
- Is the population going to increase or decrease? / This graph shows how data sets vary over time.

Read, interpret, and create graphs

PAGES 40-45



**A HEALTHY DIET**

**Science**

Life and Evolution

- food groups (nutrients, nutritional properties)
- health (muscle, infections, bones, teeth, healthy, illness)
- vitamins and minerals (diseases, metabolism, calcium, iron, zinc)
- Protein builds muscle, helps us grow, and fights infections. / Dairy products make our bones and teeth healthy.

Identify healthy habits

PAGES 46-51



**GYMNASTICS**

**PE**

Gymnastics

- abilities (do a cartwheel, do a handstand, do a somersault, do a split, juggle)
- gymnastics (rhythmic, acrobatic)
- gymnastic equipment (apparatus, rope, hoop, ball, ribbon)
- movements in gymnastics (cartwheel, backward somersault, straight jump, round off)
- She / He can do a split.

Understand basic concepts related to gymnastics

PAGES 52-57



**ART AND TECHNOLOGY**

**Art**

Integrated Arts

- visual arts (painting, drawing, sculpture, photography), applied arts (architecture, fashion design, wood crafts), performing arts (dance, singing, films), 3D printed art, virtual Internet art and electronic art, Internet art, augmented reality, stop motion
- Technology has provided artists with new tools for expression.

Explore different technological resources

PAGES 58-63

**ICONS**



**ZOOM IN**

Activities to interpret the picture of the unit opener pages



**LISTEN**

Audio tracks to practice listening skills



**THINK**



**BE**



**LEARN**



**ACT**

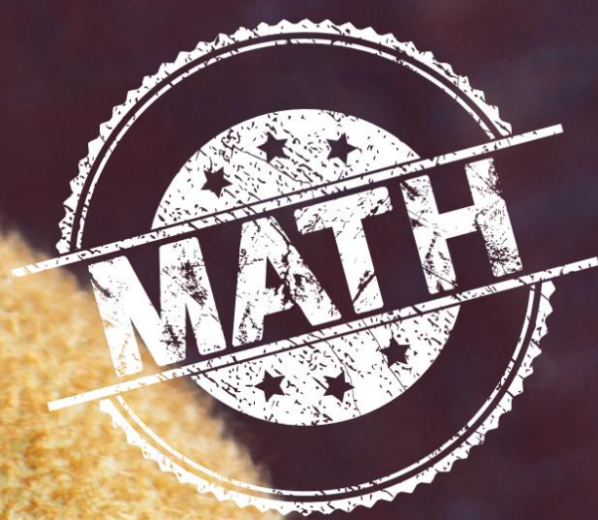



**COLLABORATE / COMMUNICATE**




# • FRACTIONS AND PERCENTAGE •





New Zealand is one of the world's top kiwifruit exporters. 

 Did you know that New Zealand's national bird is the kiwi?

Why do you think the fruit is named after this bird?

**Look at the picture.**

How many whole kiwifruits can you see?

How many kiwifruit halves are there?

Which fraction represents a half? 

$\frac{1}{2}$

$\frac{1}{4}$

$\frac{1}{5}$

**ZOOM  
IN**



TRACK 1



1 Listen and read.



### Fraction of a Whole

Fractions represent the number of **equal parts** of a **whole**.



This is an entire kiwifruit. It is represented by the number **1** (a whole).



If we divide the fruit into two equal parts, one of these parts is **1/2**.



If we divide the fruit into four equal parts, one of these parts is **1/4**.

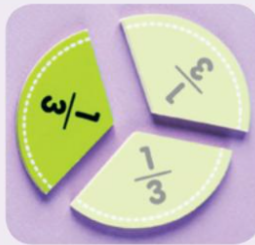
The **numerator** shows how many parts we have.

The **denominator** shows how many equal parts the whole kiwifruit was cut into.

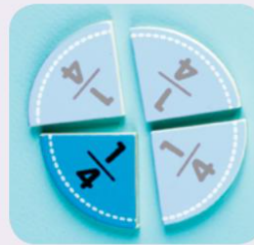
$\frac{3}{5}$	← numerator
	← denominator



one half



one third



one fourth or one quarter



one fifth



2 Match each fraction with its proper visual representation.

$\frac{4}{5}$     $\frac{3}{9}$     $\frac{1}{4}$     $\frac{5}{6}$     $\frac{5}{8}$



1 four fifths

4/5



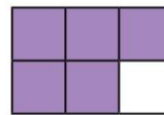
2 five eighths

\_\_\_\_\_



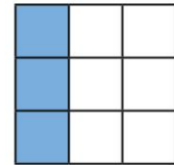
3 one fourth

\_\_\_\_\_



4 five sixths

\_\_\_\_\_



5 three ninths

\_\_\_\_\_