

# Foreword

**Relief Teacher Pack – Middle** includes a range of activities covering the areas of English, maths, science, society and environment and health. Each page can be broken into two or more parts and can be presented as separate lessons, worksheets, or as reinforcement activities.

The lessons have been designed to be easy to use, with little preparation or equipment required. Any introductory activities that may be needed, as well as follow-up activities, are suggested in the Teachers Notes.

Other books in this series are:  
**Relief Teacher Pack – Lower**  
**Relief Teacher Pack – Upper**



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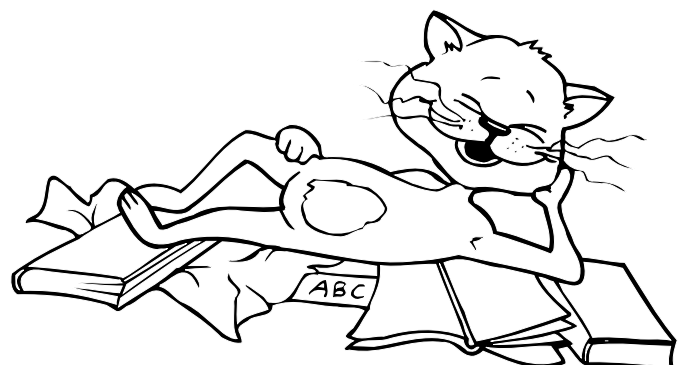
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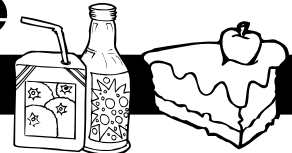
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# Teachers Notes

Curriculum Area	Page	Activity	Suggestions
<b>Mathematics</b>	1	<i>Morning Tea Time</i>	Can be done as a calculator activity or done on paper and checked with a calculator. Introduce the idea of using abbreviations on the order forms. Further calculator activities could be based on the menu using 'x' and '÷'. Children could write their own word problems.
	2	<i>Calculator Riddles</i>	Children could do their own algorithms on the calculator to work out their own puzzles as a follow-up.
	3	<i>Making Numbers</i>	For the 'Biggest Number Wins' use groups of three or four only. Final activity (sentence) can be discussed with the whole class.
	4	<i>Basic Facts</i>	Each sheet of 15 could be timed as well as scored. Share the sentence work with the class orally.
	5	<i>Numbers Galore</i>	Could be used for revision or as a test.
	6	<i>Number Puzzles</i>	The answers could be done as a calculator activity or the calculator could be used to check. The calculating of the answers can be kept separate to ensure all the algorithms are done before the puzzle is introduced. Children could make their own 'Secret Trails'.
	7	<i>Area Estimates</i>	Small counters about the size of a 5c piece are best. Share the sentences orally with the class. Children could graph the data from the table.
	8	<i>Metres and Centimetres</i>	If you don't have 2-cm cubes, use different units, for example, counters. Before answering Question 4, the children could make a 'metre strip' of paper and investigate the answers. Children could make up some problems themselves to present to the class.
	9	<i>Times on the Clock</i>	Introduce the various instruments we have to measure time, e.g., clocks, calendars, stopwatches. When drawing the hands, the minute hand can be drawn right to the outer edge.
	10	<i>Grid Reference</i>	Discuss directions, grid and objects. The answers could be done orally first. The bottom activity could be presented on a separate page and made A4 size.
<b>English</b>	11-12	<i>Directed Writing 1 &amp; 2</i>	One paragraph could be done daily and results shared by the whole class. The oral component is important for the writing activity.
	13	<i>Formal English</i>	This could be used as a test or a homework activity. The results could be shared orally with the whole class. Encourage interesting or different endings for the sentence writing.
	14	<i>Idioms</i>	Ask the children to invent some more idioms of their own. The idioms could form the basis for some class drama or art activities.
	15	<i>Deserts</i>	This passage has literal, inferential and evaluative questions. Children could attempt to illustrate the passage about the desert showing all the important facts in their illustration.
	16&18	<i>African Adventure &amp; Exploring Explorers</i>	These lists of words can be used as an introduction to an 'African' or 'Explorers' class theme. Discuss the words first. Further activities using the words could follow.

# Morning Tea Time



## The Boardwalk Cafe

Menu

### Cakes and Biscuits

Chocolate Supreme .....	\$3.00
Caramel Slice .....	\$2.50
Almond Shortbread .....	\$1.20
Choc-Chip Deluxe .....	\$1.40
Melting Moments .....	\$1.80

### Hot Beverages

Coffee (flat white) .....	\$2.50
Coffee (cappuccino) .....	\$2.60
Coffee (espresso) .....	\$2.40
Tea (pot) .....	\$2.50
Tea (cup) .....	\$1.80

### Sandwiches

Ham .....	\$3.80
Chicken .....	\$3.50
Salad Selection extra .....	\$1.20
Condiments (mustard, relish etc.) ..	0.60 (total)

### Cold Beverages

Iced Coffee (with ice-cream) .....	\$3.50
Spider (ice-cream and soft drink) .....	\$3.00
Soft Drinks .....	\$2.50
Fruit Juices .....	\$2.80

1. Enter the prices for the items and add up the totals on these order forms.



(a)

The Boardwalk Cafe	
Order Form	\$
coffee f/w	2.50
c/c deluxe	
m. moment	
orange juice	
<b>Total</b>	
change from \$10	

(b)

The Boardwalk Cafe	
Order Form	\$
coffee espresso	
2 soft drinks	
2 car. slices	
2 shortbread	
<b>Total</b>	
change from \$20	

(c)

The Boardwalk Cafe	
Order Form	\$
ham & salad	
chick. & salad	
ham & salad, relish	
3 spiders	
<b>Total</b>	
change from \$50	



2. You have \$15 for lunch. Write three possible orders. Use abbreviations.



(a)

The Boardwalk Cafe	
Order Form	\$
<b>Total</b>	
change from \$15	

(b)

The Boardwalk Cafe	
Order Form	\$
<b>Total</b>	
change from \$15	

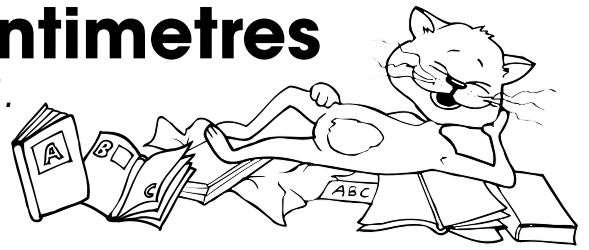
(c)

The Boardwalk Cafe	
Order Form	\$
<b>Total</b>	
change from \$15	



# Metres and Centimetres

You will need some 2-cm cubes to answer Question 1.



1. Use the cubes to measure these.

How many fit across your:

(a) desk? \_\_\_\_\_ (b) ruler? \_\_\_\_\_ (c) book? \_\_\_\_\_

2. Choose the correct answer for these.

less than 1 metre

between 1 and 2 metres

about 2 metres



- (a) The classroom door is  high.
- (b) A duster is  long.
- (c) Each cupboard door is  wide.
- (d) My chair is  high.
- (e) The cupboard is  high.
- (f) I am  high.

3. Write these measurements in the correct box.

1 036 cm

97 cm

252 cm

6 600 cm

4 cm

2.6 m

0.2 m

26.1 cm

92.7 cm

26 cm

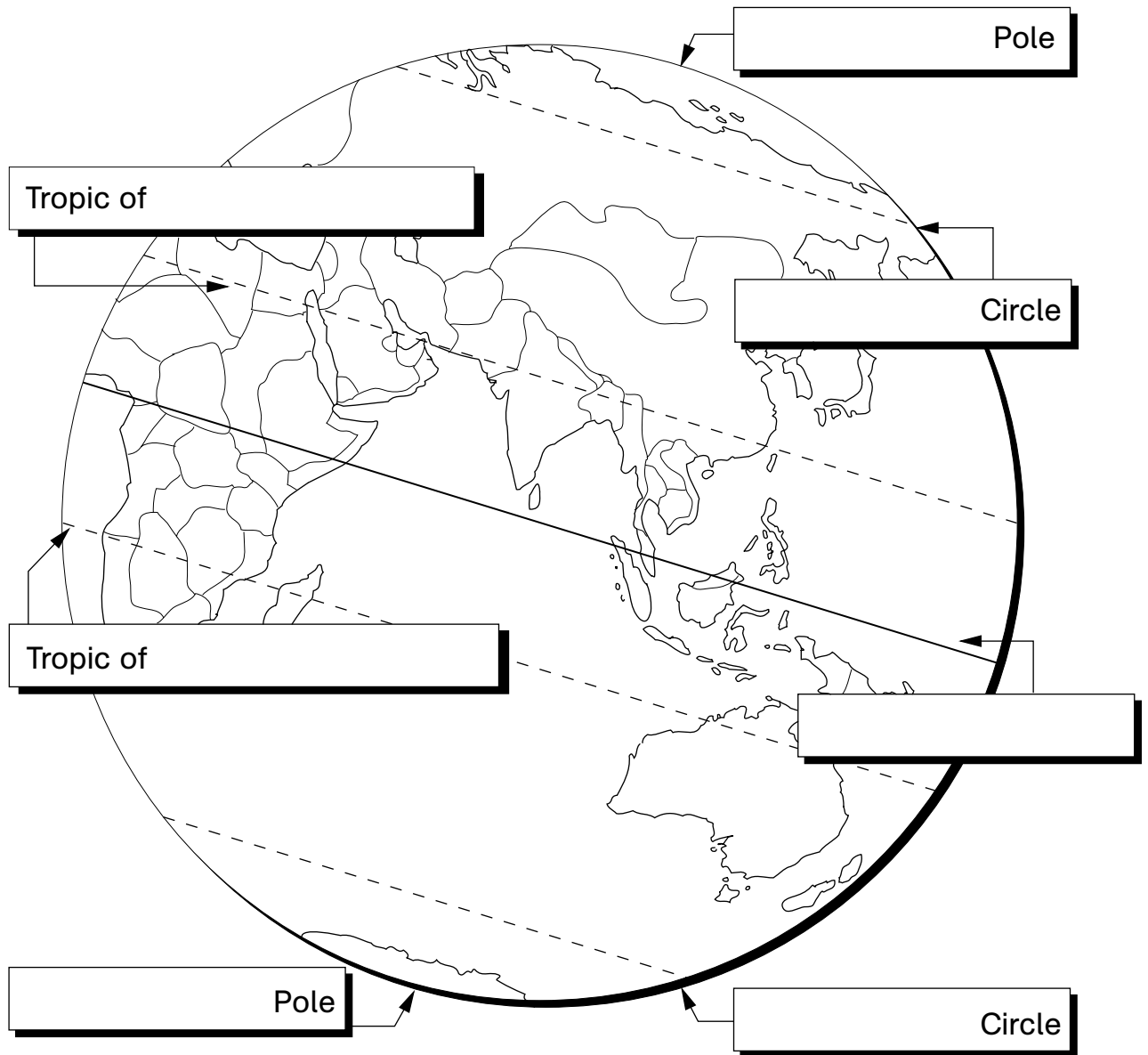
greater than a metre	less than a metre

4. Use your ruler to measure these lines to the nearest centimetre.

- (a) \_\_\_\_\_
- (b) \_\_\_\_\_
- (c) \_\_\_\_\_
- (d) \_\_\_\_\_
- (e) \_\_\_\_\_



# The World Zones



1. Use an atlas to write these labels correctly in the boxes.

**North    South    Equator    Cancer    Capricorn    Arctic    Antarctic**

2. Now colour these areas.

- (a) Colour Australia brown.
- (b) Colour the Pacific Ocean blue.
- (c) Colour the Indian Ocean green.
- (d) Colour New Zealand yellow.
- (e) Colour India purple.

3. Write an 'X' to show where you live.

4. Rule lines to shade the area between the tropics.



This area is called the \_\_\_\_\_ Zone.

# The Importance of Water

Water is the commonest, and the most important, substance on the earth. Without water, life would not exist.

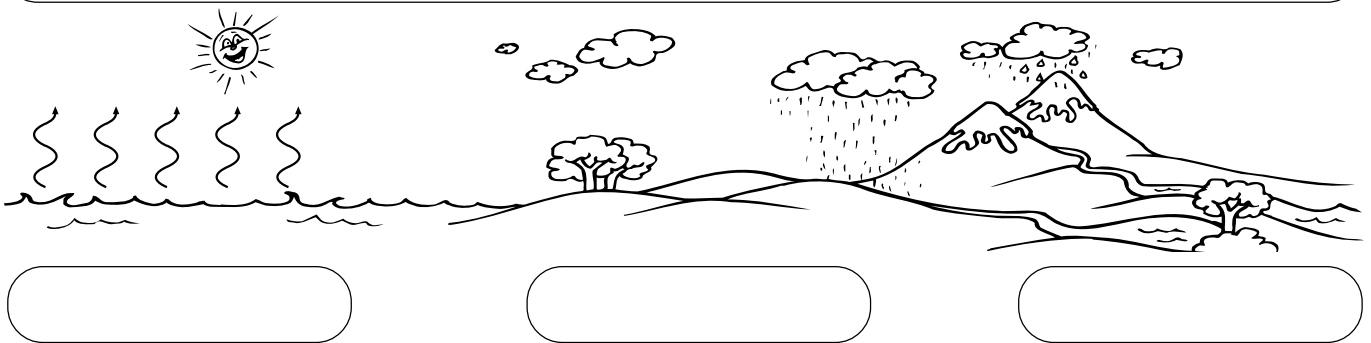
## The Water Cycle

Water is always being cycled among the atmosphere, the ocean and the land. The three stages in the water cycle are:

- **Evaporation** Water evaporates and the vapour rises.
- **Condensation** The vapour condenses into clouds.
- **Precipitation** The clouds move over the land, and precipitation falls as rain, ice or snow.



The water fills streams and rivers, and flows back into the ocean where evaporation starts again.






1. Label each stage of the water cycle on the diagram.

## How does water help us?

2. Brainstorm two ideas, and share them with the class.



(a) \_\_\_\_\_

(b) \_\_\_\_\_

## Water at home

3. (a) Read these facts about how much water is used by people everyday.

It takes:

- **76–114 litres for a bath.**
- **19 litres for a minute in the shower.**
- **57 litres to wash a day's dishes.**
- **152 litres for a washing machine cycle.**

(b) Use the facts to complete this table. (You can use a calculator to help you.)

AMOUNT OF WATER MY FAMILY USES IN A DAY		
Type	Number	Litres used
Showers		
Baths		
Loads of Dishes		
Loads of Washing		
<b>Total:</b>		

(c) Compare your results with those of the class.