



**Ebook Code:
RENZ0005**



For Ages 8 - 10

Everyday Maths Book 2

Mathematics problems
set in a real world
context.

Written by Jane Bourke. Illustrated by Rod Jefferson.

© Ready-Ed Publications - 1997

Published by Ready-Ed Publications P.O. Box 276 Greenwood WA 6024

Email: info@readyed.com.au Website: www.readyed.com.au

COPYRIGHT NOTICE

Permission is granted for the purchaser to photocopy sufficient copies for non-commercial educational purposes. However this permission is not transferable and applies only to the purchasing individual or institution.

ISBN 1 86397 168 8

CONTENTS

Teachers' Notes and Problem Solving Strategies	4
Division and Combinations of Money	
Garage Sale	7
Timetable reading; time intervals	
Time Out	8
Mary's Many Movements	9
Train Travel	10
Problem Solving: Number problems, written computation	
Fence Frenzy	11
Newspaper Round	12
Measuring Circumference	
Wheel Problems	13
Problem Solving: Guess and check	
Farmer Frank's Fruit	14
Brainteasers 1	15
Brainteasers 2	16
Problem Solving: Make a list; restate the problem	
Scarecrow!	17
Sorting Sneakers	18
Maths Comprehension: Using a graph	
Holiday Heat	19
Weight Watching 1	20
Weight Watching 2	21
Problem Solving: Working backwards	
Brainteasers 3	22
Brainteasers 4	23
Calculating areas and perimeters	
Amazing Areas 1	24
Amazing Areas 2	25
Problem Solving: Act it out	
Parcel Pile-Up	26
Problem Solving: Construct a table	
School Sports	27
Classroom Chaos	28
Story Time	29
Brainteasers 5	30
Brainteasers 6	31
Problem Solving: Relationships between units of time	
Calendar Calculations	32
Calculating Distances	
Frequent Flyer	33
Problem Solving: Draw a picture	
Fruit Salad	34
Parent Night	35
Brainteasers 7	36
Brainteasers 8	37
Answers	38 - 40

TIME OUT

Mary Measure is always running late for school. She knows that school starts at 8.45 am but never seems to get there before 9.00 am. Last week Mary Measure was late every single day. On Monday she arrived at 9.01 am, Tuesday at 9.03 am, Wednesday at 9.00 am, Thursday at 9.10 am and Friday at 9.06 am.

- How late was Mary Measure on: Monday:
- Tuesday: Wednesday:
- Thursday: Friday:
- What is the total number of minutes that Mary missed at school that week?
- What is the average number of minutes that she was late each day?

Mary Measure had a note sent home to her mother. It was decided that Mary would make an extra special effort to arrive on time each day. Mary was ready and waiting for class at these times of the following week:

Monday 8.30 am	Tuesday 8.24 am	Wednesday 8.35 am	Thursday 8.31 am	Friday 8.25 am
-------------------	--------------------	----------------------	---------------------	-------------------

- What is the total number of minutes that Mary had to spare?
- On average, how early did Mary arrive at school that week?
- Mary's favourite subject is maths because she usually gets to measure something. Maths is at a different time each day. After school has started at 8.45 am, how long does Mary wait each day before the class starts maths?



Daily Maths Timetable

Monday 9.30 am	Tuesday 10.00 am	Wednesday 9.45 am	Thursday 1.00 pm	Friday 11.15 am
-------------------	---------------------	----------------------	---------------------	--------------------

Mon: Tues: Wed: Thurs: Fri:



Challenge

Find out exactly how long you are in class at school each day. To do this you will have to subtract the times that you spend at break and lunch.

How much time do you spend in class?

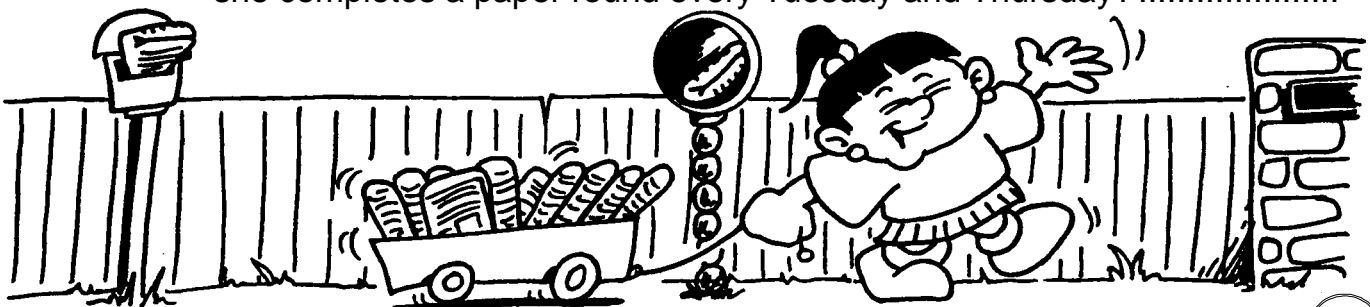
How much time does your class spend on maths, sport and art?

Exactly how many minutes does it take for you to travel to school?

NEWSPAPER ROUND

Counting Carrie has got a new job delivering the local newspaper. She delivers a paper to all the houses on her street. The first house is number 1 and the last house on the street is number 209. Carrie's favourite number is 9.

1. How many number 9's will Carrie see on the letterboxes as she delivers the paper?
2. Counting Carrie is given 9c for each paper that she delivers. How much money will Carrie make for each paper round?
3. Calculate the amount of money Carrie would earn if she made the following amounts of paper rounds:
 - a. Four rounds in a week:
 - b. One paper round every week for 16 weeks:
4. Carrie wants to save up for a new bike. She has seen a bike she likes for \$199.00 and has decided to save every cent from her paper round so she can buy it as soon as possible.
 - a. How many paper rounds will she have to complete before having enough money to purchase the bike?
 - b. How much change will she have?
 - c. How many weeks will pass before Carrie has enough money for the bike if she completes a paper round every Tuesday and Thursday?



Challenge:

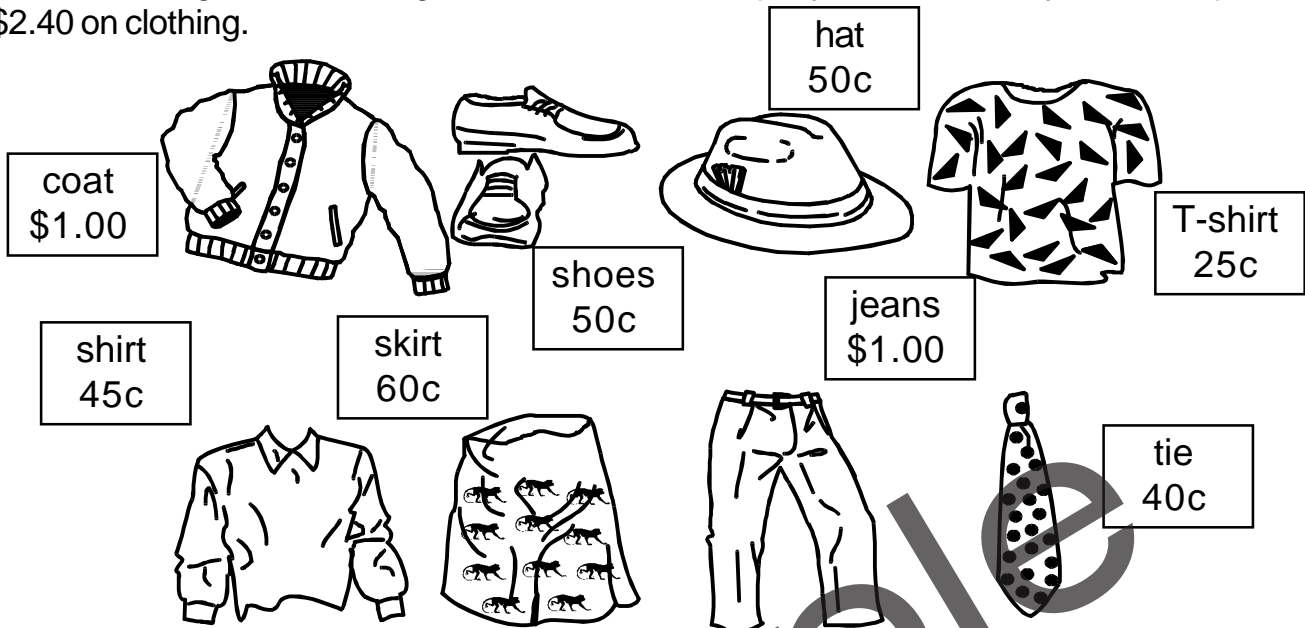
As she did her round Counting Carrie noticed that houses with letterboxes by the front gate have three different types of letterbox. She has counted twice as many brick letter boxes as tin letterboxes and has counted 104 cylindrical letter holders.

How many letterboxes are brick and how many are made from tin?

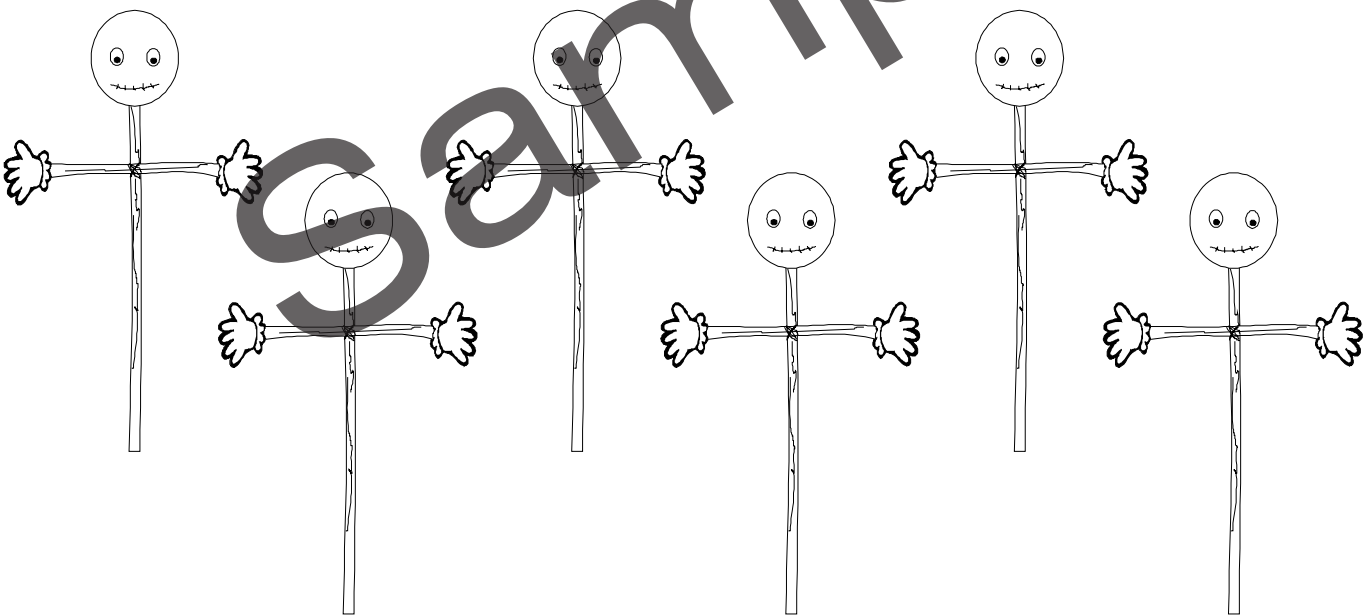
Hint: Remember how many letterboxes there are!

SCARECROW!

Spacy Sam was tired of the crows eating all his newly planted seeds and decided to take some action. He went to the local second-hand shop and saw quite a selection of clothes which he thought would look good on a scarecrow. Spacy Sam could only afford to spend \$2.40 on clothing.



1. On the scarecrows below draw six different combinations Spacy Sam could use that would cost \$2.40 or less. Tick the scarecrow outfit he should buy.



2. Sam also needs to buy some more seeds. Circle the bargain bin below which represents the best value.

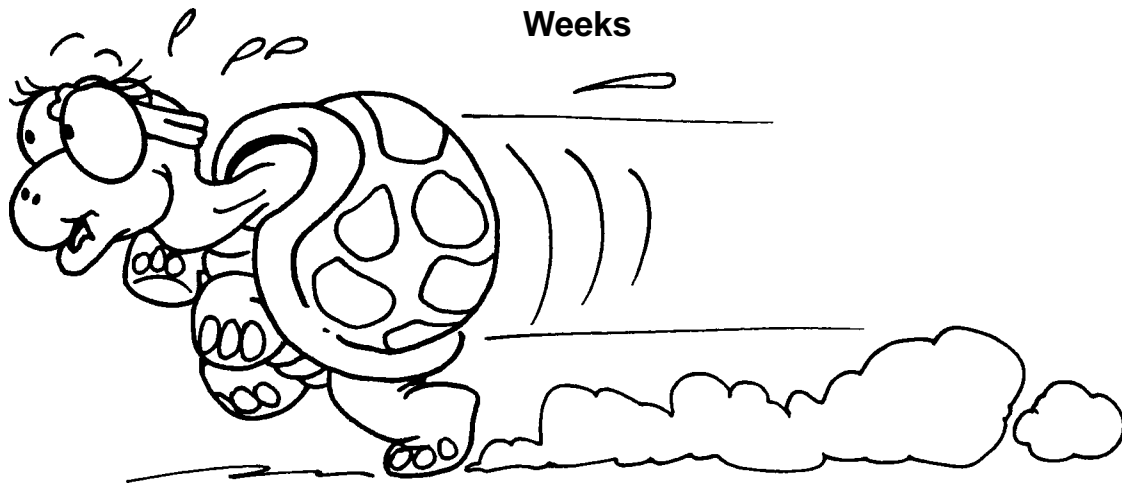
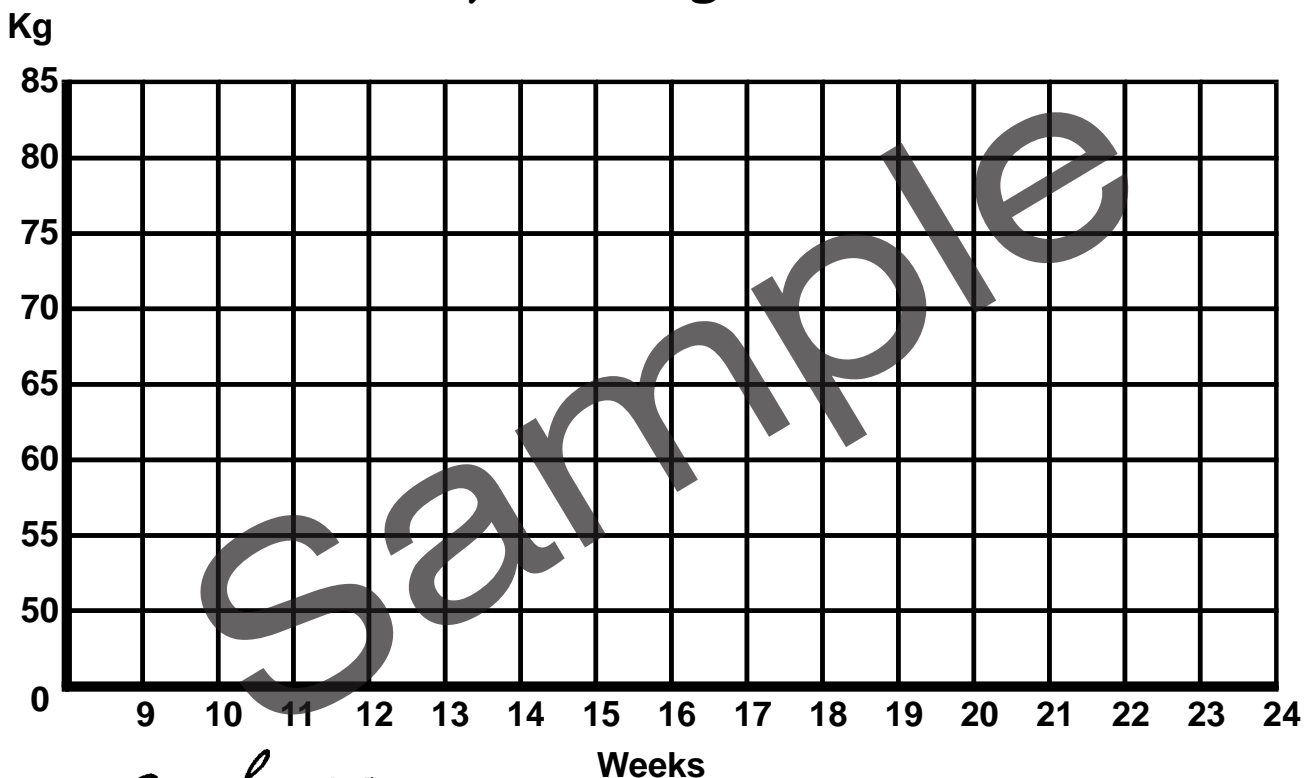


Weight Watching 2

Record Myrtle's weekly weight loss on the graph below:

Week	Kilos	Week	Kilos	Week	Kilos	Week	Kilos
Week 9	75	Week 13	74	Week 17	72	Week 21	66
Week 10	74	Week 14	72	Week 18	70	Week 22	64
Week 11	73	Week 15	71	Week 19	68	Week 23	63
Week 12	73	Week 16	73	Week 20	67	Week 24	62

Myrtle's Weight Loss



Challenge:

Considering Nora put on weight while she was on her diet (Weeks 12 and 16), what was her overall weekly average weight loss from Weeks 9 - 24?



FREQUENT FLYER

Spacy Sam's older brother, Sebastian, is a very busy businessman. He often flies all around Australia and New Zealand attending conferences and meetings. Spacy Sam has kept a record of all Sebastian's flights over the last month.

Use the distances below to answer Spacy Sam's questions.



Flights Taken by Sebastian in Month of September

2	Sydney to Brisbane	20	Perth to Adelaide
5	Brisbane to Hobart via Sydney	22	Adelaide to Melbourne
10	Hobart to Melbourne	23	Melbourne to Auckland
15	Melbourne to Sydney	26	Auckland to Wellington
18	Sydney to Perth	30	Wellington to Sydney

- How far did Sebastian fly between 1 and 6 September?
- On what day did Sebastian travel more than 3200 km?
- What was the total distance covered between 20 and 24 September?
- How far did Sebastian travel altogether?
- What was the average distance travelled each day for the month of September?
.....