

For Ages 10+



Real Life Maths





Written by David J. Cohen. © Ready-Ed Publications - 2004. Published by Ready-Ed Publications (2004) P.O. Box 276 Greenwood Perth W.A. 6024 Email: info@readyed.com.au Website: www.readyed.com.au

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ISBN 1 86397 594 2

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The Compact Disk - 2

Complete the following:

- You bought three CDs from 'Dave's Disks'. You received \$1.05 in change from \$60. What did you buy and how much did each CD cost? List.
 - .
 - •
- 2) In my wallet I had \$70 dollars to spend on CDs. What combinations of notes and coins might I have had? List as many different combinations as you can:

 Kyle, Kevin and Kelly said they owned 1½ thousand CDs between them. How many could each own? Give three combinations of amounts:

> e.g. Kyle - 650, Kevin - 245, Kelly - 605.

4) Garth was so impressed by the size of the 'CD Galore Store' he took out his ruler to measure the length of the store. He reported back that it measured 78 ruler lengths long. Sally did not believe Garth and decided to measure the store herself. She reported back that the store was 76 ruler lengths long. How is this possible? Explain how people should measure accurately.

5) Five of Pat's friends owned a total of 100 CDs between them. Use a graph to show how many each person owned. You will need to make up names and the number of CDs they owned, but the number displayed must total 100.

 6) At the end of a busy shopping day, 'CD Galore Store' made 1¹/₂ times more money than 'Muzak Mania'. How much could each store have taken? Give three examples:

> e.g. CD Galore Store: \$1500, Muzak Mania: \$1000.

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Date: _

The Compact Disk - 6

Complete the following:

	length and width measurements? Think about the shape of a CD. What are th most likely measurements?
	e.g. L=11 cm, W=13 cm;
	What other objects can you find in your classroom that have approximately th same perimeter as a CD insert that measures 48 cm?
	What could be the area of a rectangular back insert with a perimeter of 30 cm Find as many possible answers as you can and look for a pattern in the answers Draw diagrams in the space below to represent your answers.
I	What patterns can you find? Explain
	A box containing sets of CDs has the following dimensions: A length of 36 cm, height of 15 cm and a width of 13 cm. a) What is the capacity/volume of this box?

Date:

Planning A Party - 2

Complete the following:

It's a good idea to include a map with the party invitation so that people will know 1) how to find the party. Draw a map showing where Maurice lives. Include a compass, legend and a scale to show distance. The budget for Jemma's party was \$150 in total. The average cost per person for 2) the party is \$7.50. Following this budget, how many people would be able to attend the party? ▶ SHOW YOUR WORKING HERE: ANSWER 3) Assume you had a total party budget of \$250. How many people could be invited and what would be the average cost per person? There can be more than one answer. ► ANSWERS ► SHOW YOUR WORKING HERE: Mum and dad helped carry five shopping bags for the party from the car. The 4) average weight of each bag was two kilos but no two bags weighed exactly the same. How much could each bag weigh? List all possibilities. ► SHOW YOUR WORKING HERE: ► ANSWERS

Date:

Credit Card Statement (Part A)

Complete the following:

This is Janet Fleetwood's credit card statement for the month of August. You will notice that when Janet pays back the money she owes, the amount appears in the Credit column with a minus sign (–). Look at the statement carefully and fill in the balance column. The first one has been done for you. Use this statement to complete the questions on page 26.

	\$					
FIRST NATIONAL BANK 1 St Mary Terrace, Castledene.						
Janet Fleetwood 59 Smith Avenue						
Oak Hill West 34	102					
Account Number Cr	edit Card Limit Annual Interest	Statement M	lonth [Due Date		
12345 9879 \$2	000 18%	August	S	eptember 14		
Date of transaction	Description	Debit	Credit	Balance		
1 August	Clean Cut Hair Salon	\$35.00		-\$35.00		
5 August	Cheap Petrol Company	\$25.50				
2 August	Payment received - Thank you		-\$60.00			
5 August	Happy Sam's Pizza Restaurant	\$12.50				
8 August	Supa Supermarket	\$85.25				
9 August	Payment received - Thank you		-\$23.00			
10 August	Plan 30 Phone Card	\$30.00				
12 August	A1 Cane Furniture Factory	\$150.00				
13 August	Soul Outlet Shoes	\$62.00				
19 August	Supa Supermarket	\$50.75				
20 August	HiFi Electronic	\$30.00				
21 August	Refund HiFi Electronics		-\$30.00)		
25 August	Cheap Petrol Company	\$20.00				
28 August	Yell Clothing	\$92.00				
30 August	Interest charges	\$12.50				
30 August	Payment received - Thank you		-\$230.00)		

The Stock Market - 1

Demonstrate Your Understanding

1) How much did each of the people below make or lose on their shares? Fill in the missing numbers.

Name	Shares	Bought	Sold	Profit(+) Loss (-)
Ralph	Pin Ball Bowling	\$1.01	\$2.90	
Aaron	Times International	\$7.25	\$8.34	
Lyn	Chris Enterprises	\$12.87		\$0.98 -
Page	Crot Hotels		\$19.67	\$5.58 -
Greg	Amerlioo	\$3.87		\$1.64 +
Ken	NoTa Phones	\$6.21	\$2.89	
Jayne	Ceela Mining		\$2.45	\$1.95 +
Katherine	Gold Rold Mining	\$9.98		\$0.02 +
Alison	Yachts	\$4.44	\$5.67	
Pat	Holman Homes		\$1.07	\$1.11 -

- 2) Which share showed the biggest increase in value?
- 3) What are three possible reasons share prices increase in value?

- 4) Which share showed the biggest decrease in value?
- 5) A share portfolio is a group of investments or shares. Peta was very happy with her share portfolio last year because it doubled in value. If it was worth \$375 in January, what was the value of the portfolio in December?
- 6) Between 1997 and 2003, the shares of the Marty Machines Company went from \$1.20 to \$3.80. How much could they have gone up each year? Plot the rise of the shares on a line graph. Label each axis.

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