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Online Numeracy Resources

ACAL Conference
27th September 2011

Libby Rowswell

http://www.youtube.com/watch?v=olwE5mZJ-Fk

Learning objects

Toolbox repository

Australian Flexible Learning Framework

http://toolboxes.flexiblelearning.net.au/repository/index.htm



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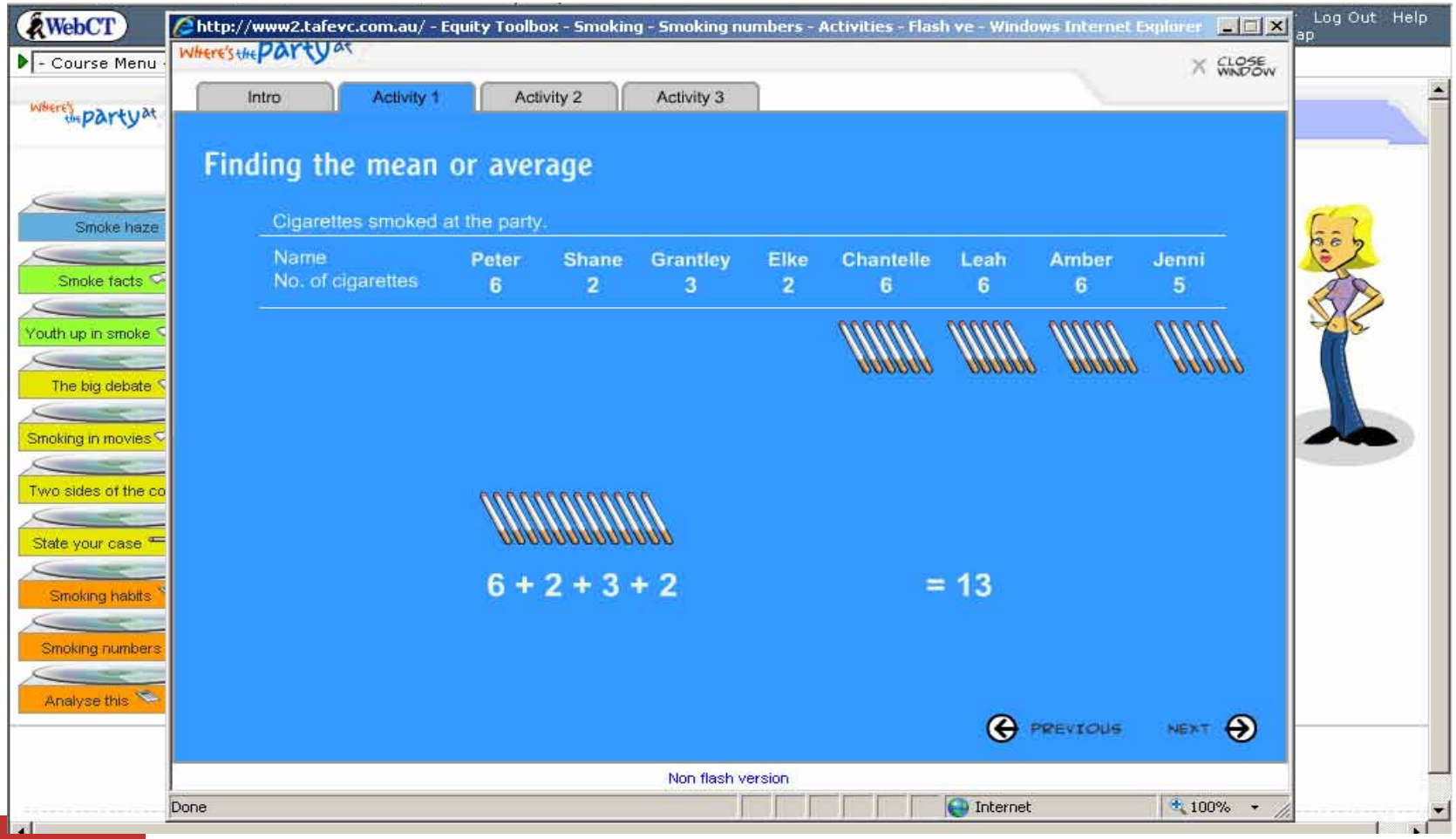
Toolbox

Where's the Party At? (Toolbox Series 5 Equity)

http://toolboxes.flexiblelearning.net.au/series5/519.htm

good section on averages-smoking, and percentages-youth context drawing graphs

has been broken into Learning Objects if you just want to use part of the resource



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Toolbox

Basic skills in the Cybercentre

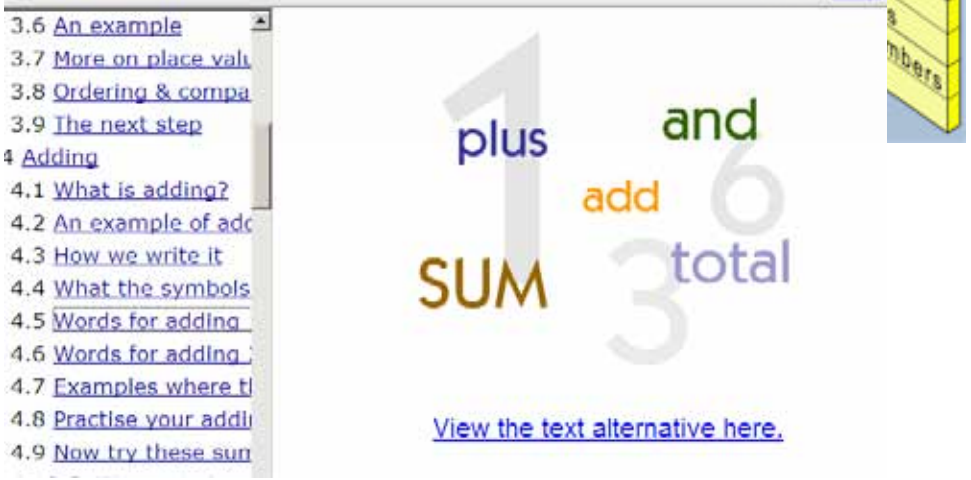
http://toolboxes.flexiblelearning.net.au/series4/424.htm

Write short notes, address cards, Numeracy





has been broken into Learning Objects if you just want to use part of the resource

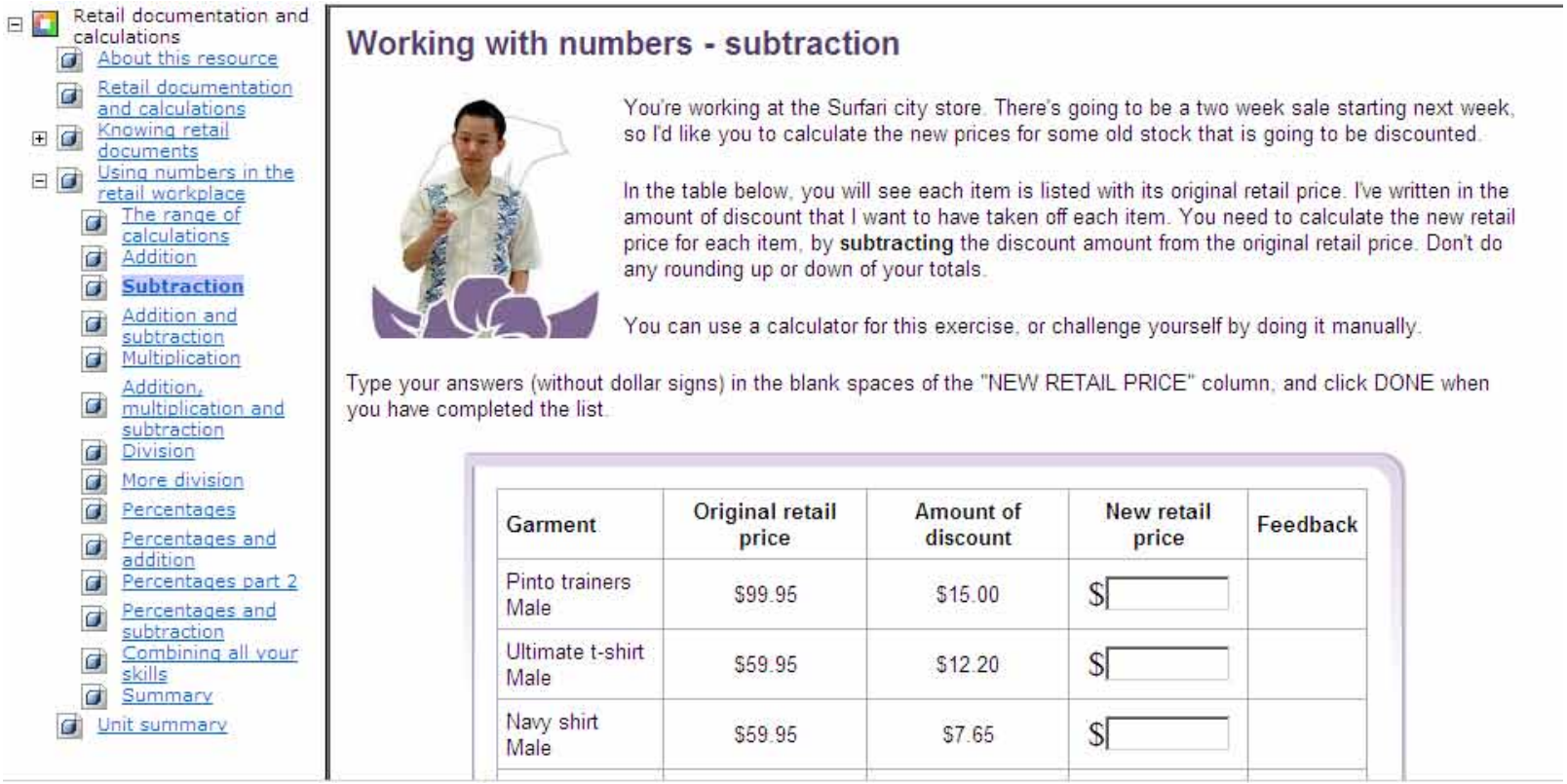


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LORN_Toolbox

Using Numbers in the retail workplace– Cert II Retail

http://tle.tafevc.com.au/toolbox/items/f56878a7-a992-d3d7-fc16-72ffff02bf96/1/



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Learning Federation

Learning Federation

- resources that support learning of concepts and skills in a range of curriculum areas in the P-12 years. Many OK for adults
  Institute joins, Teacher joins, then sources and groups activities into **Learning Paths**.
- http://econtent.thelearningfederation.edu.au/ec/p/home
- Each learning path has a unique Student PIN, Student logs on using PIN for a particular learning path
- Student logon address http://econtent.thelearningfederation.edu.au/ec/pin

Sample Learning path of 8 activities related to maths called School Canteen PIN KMIFAQ



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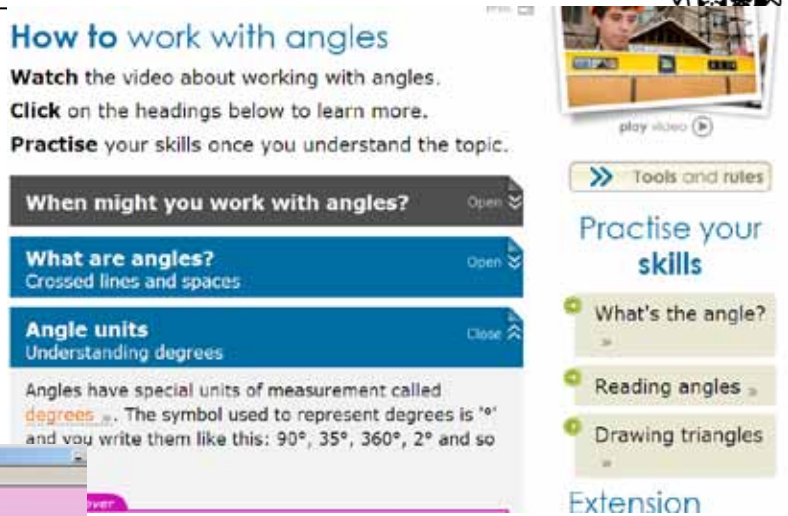
CD to purchase

CGEA II - WESTONE

Support material for 8 CGEA units:

- R&W Learning , Personal
- VBQU152-153
- Learning plan & project







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CD to purchase

Vocabulary Builders-CD based

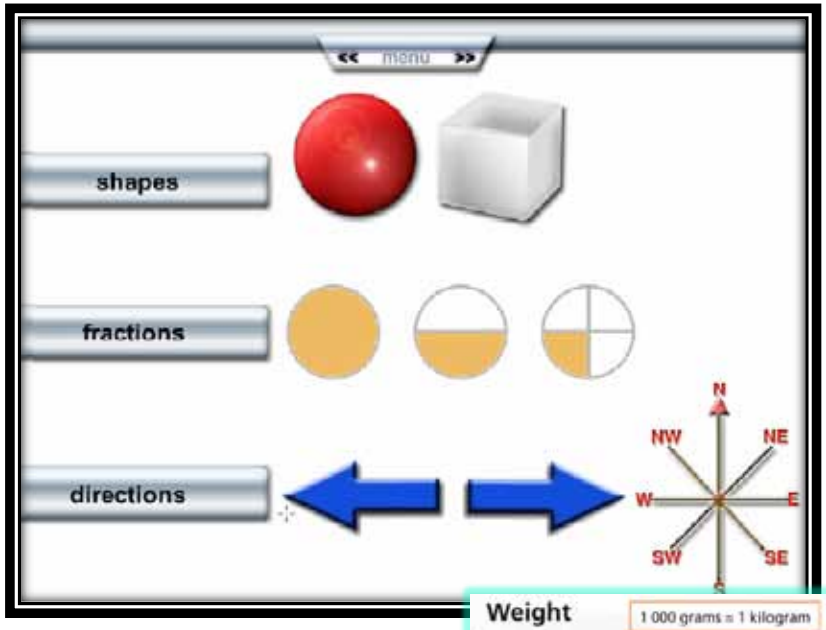
Available from
NSW AMES

CD & workbook

Speaking & Listening

Good source of Vocab

- Maths Words
- Shopping Words
- Leisure Words
- Work Words





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CD to purchase

Measuring Up- CD based

Teaching Sections:

- Metrics
- Decimal numbers
- Fractions
- Reading scales

Scenarios include:

- Supermarket
- Mail Room & Fabric shop
- BBQ & sports

☐ -Protea Textware





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LORN

2 and 3 D shapes

Victorian resource-source unknown ??

vocab and properties of shapes





http://lorn.flexiblelearning.net.au/resultDetail?identifier=2903

Website

BBC Skillswise - (careful with money)

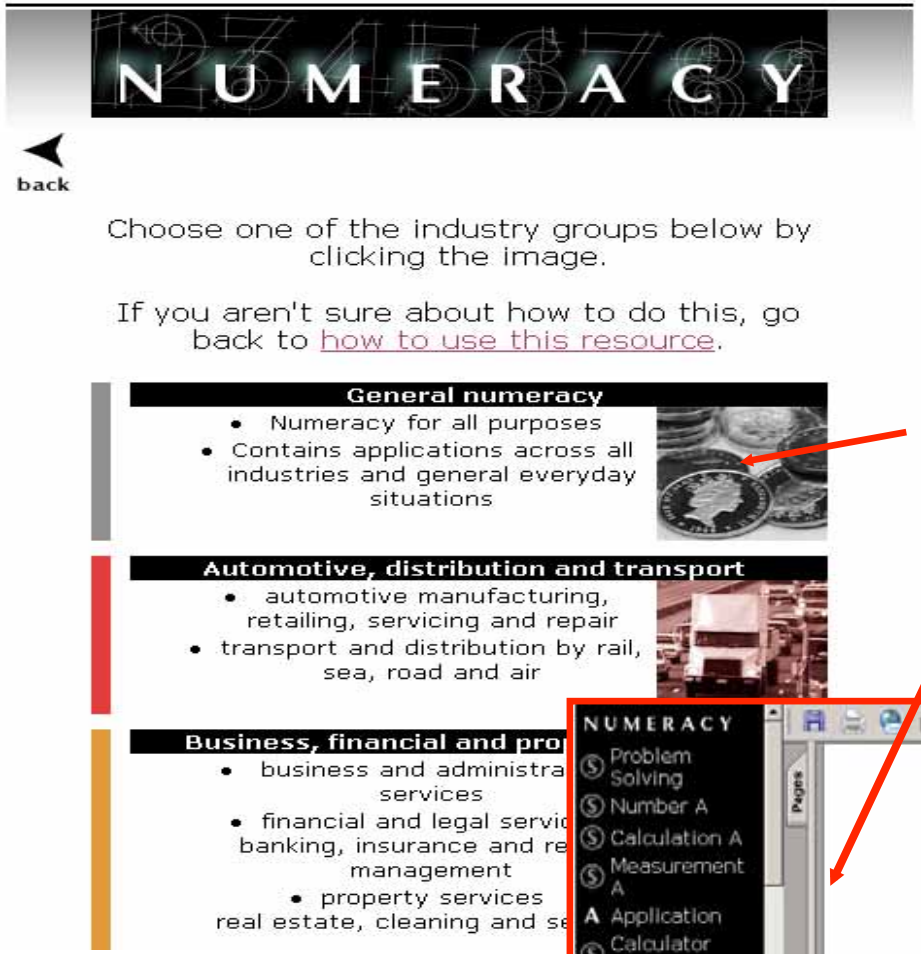
http://www.bbc.co.uk/skillswise/





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Website – PDF only



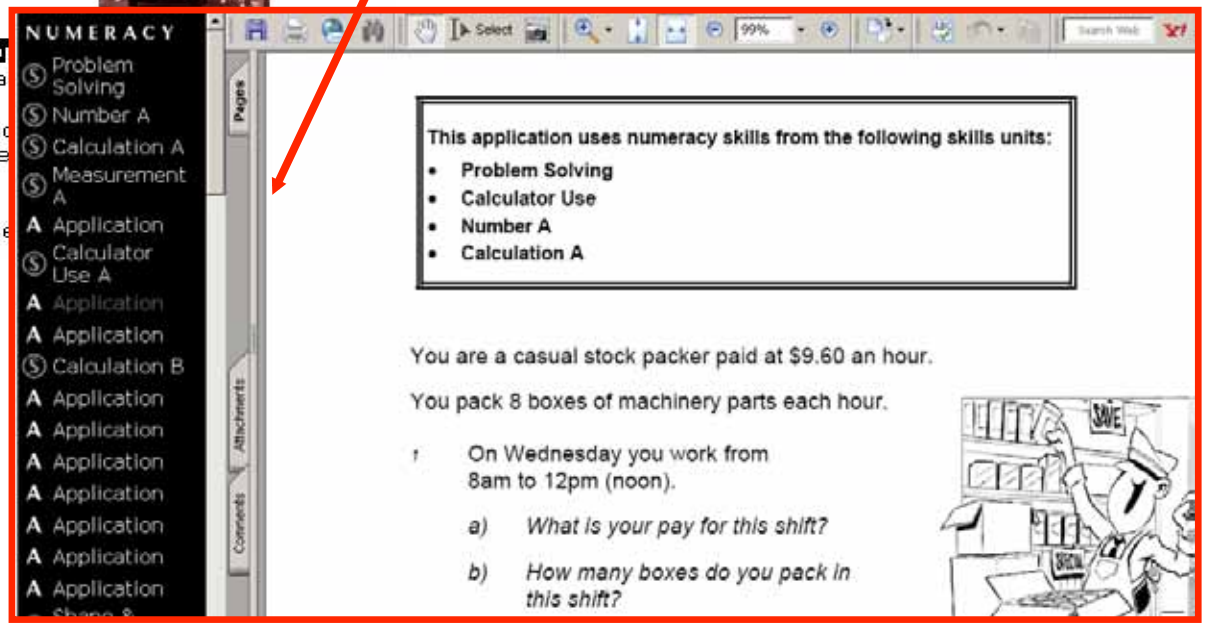
Numeracy- DEST

http://www.dest.gov.au/archive/ty/litnet/numeracy/home/nh_0005.htm

General Numeracy – PDF only

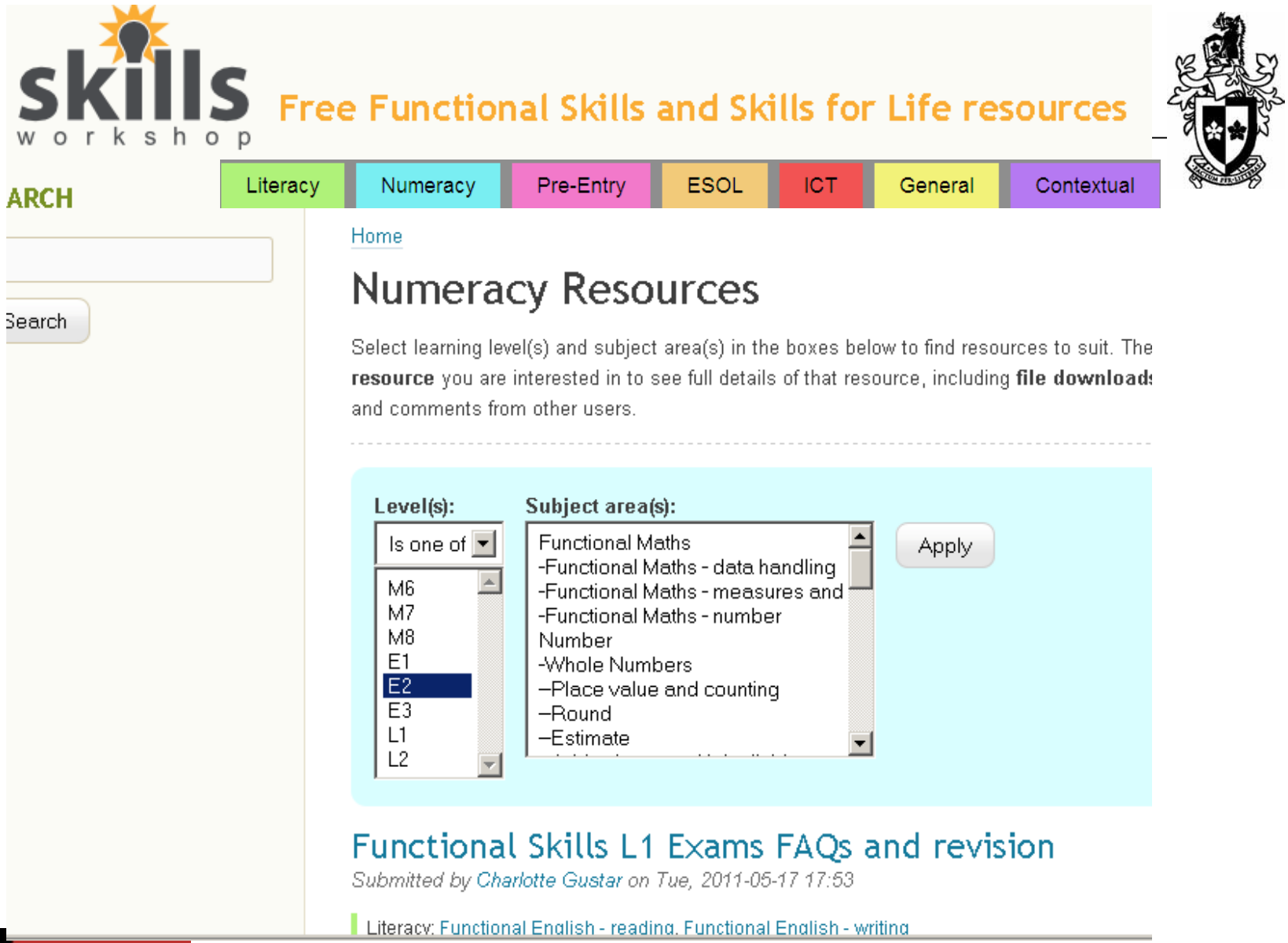
S- skills Teaching files show topics

A-Application 1-page work based Q&A



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Website – PDF only- teacher resource



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http://www.skillsworkshop.org/resources/loop-card-generator

mathplayground.com

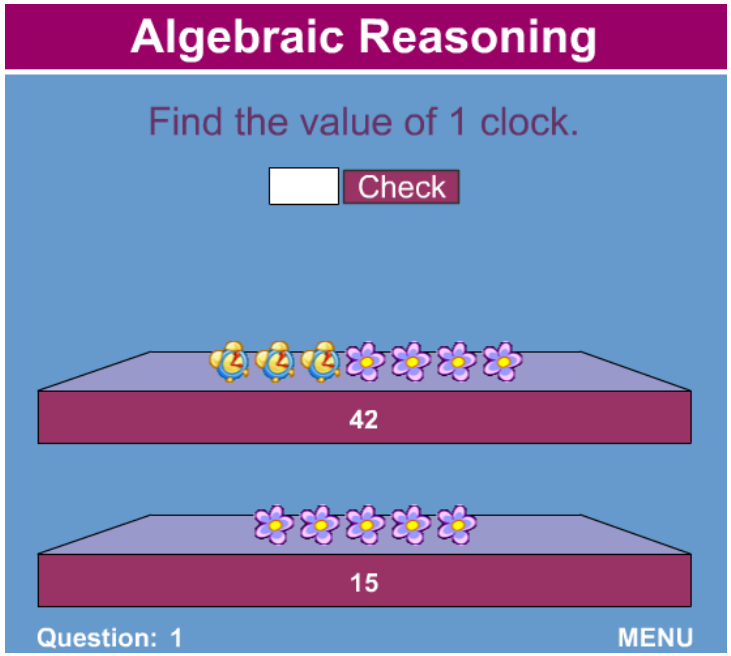
http://www.mathplayground.com/

- Good range of activities. It is aimed at School Kinds, but if you choose carefully, and give the link to avoid all the kiddie pics, there are some real gems here. It does have maths videos to explain some of the processes.

- Sample activity http://www.mathplayground.com/alienangles.html

- http://www.mathplayground.com/algebraic_reasoning.html



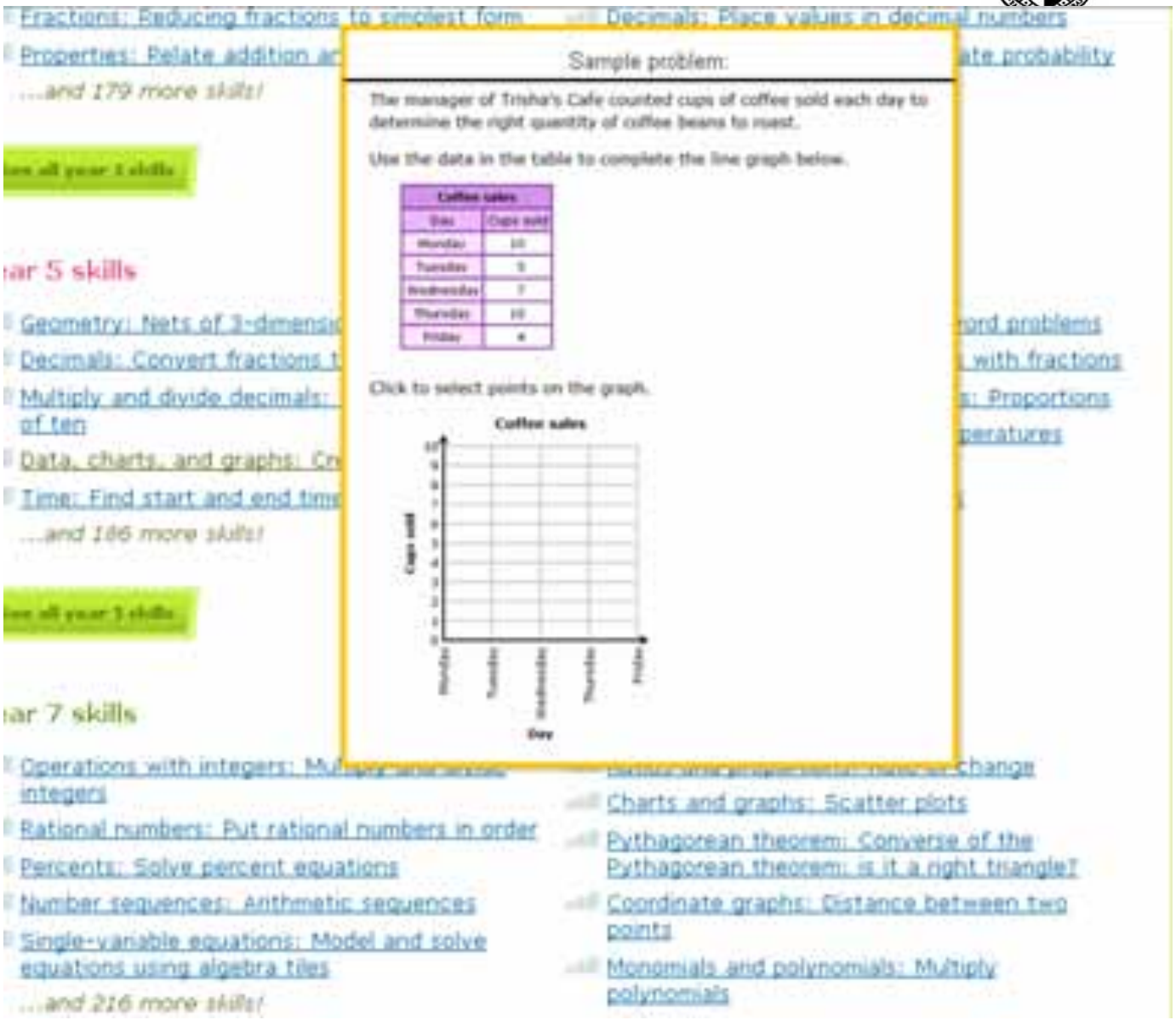


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Website – school

IXL – drawback –activities listed under school year level

http://au.ixl.com



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VALA – VCAL resources page

SAFE-Ti http://www.safe-t1.net.au/

VALA

Quick search by Category

- Applied learning
- Integrated
- Literacy
- Numeracy
- Personal Development Skills
- Teaching & Learning Strategies
- Work Related Skills

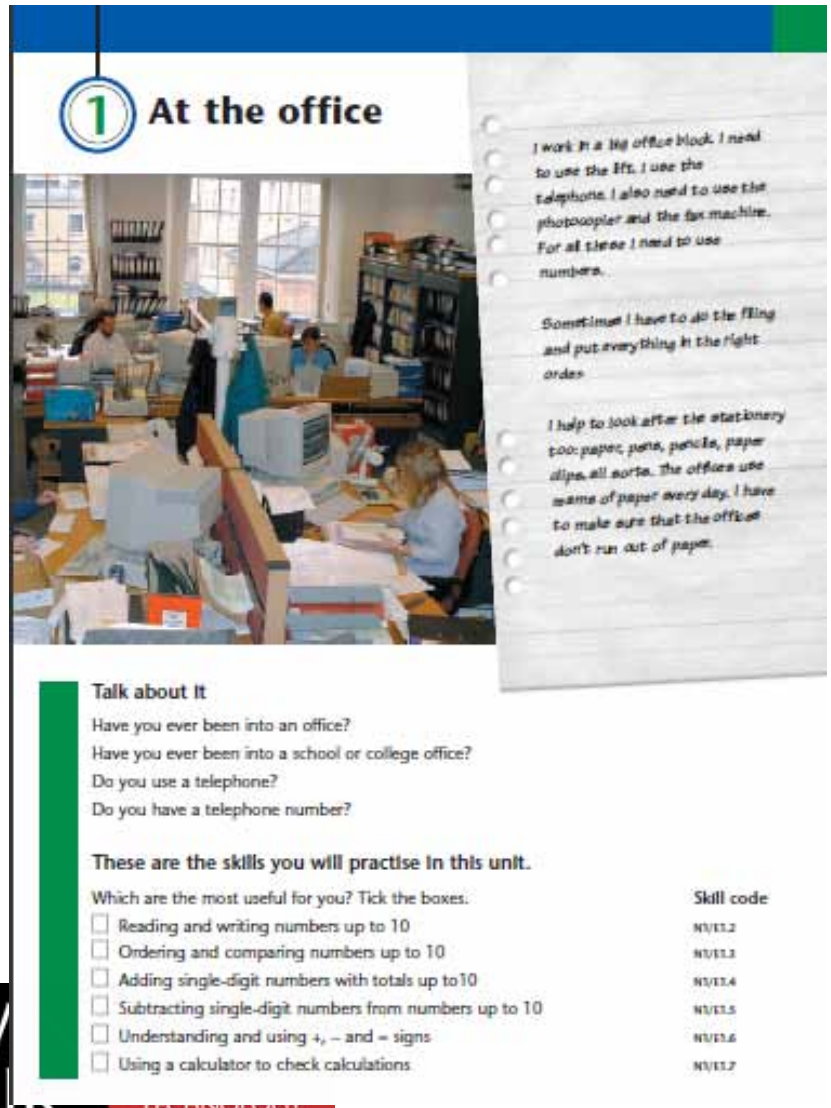


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Website – PDF- teacher resource

Excellence Gateway

- Teaching books-real life/ vocational context
- PDFs- take a wjhile to download as usually book format
- http://rwp.excellencegateway.org.uk/Numeracy/
- Website also has a section on l



1 At the office

I work in a big office block. I need to use the lift. I use the telephone. I also need to use the photocopier and the fax machine. For all these I need to use numbers.

Sometimes I have to do the filing and put everything in the right order.

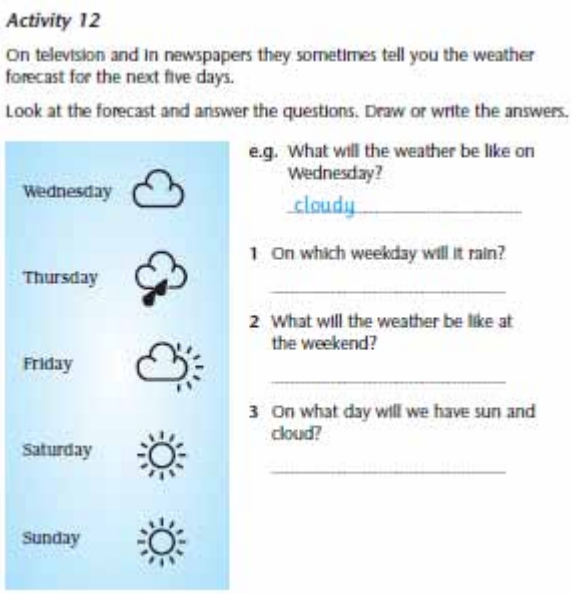
I help to look after the stationery too: paper, pens, pencils, paper clips, all sorts. The offices use reams of paper every day. I have to make sure that the offices don't run out of paper.

Talk about it

Have you ever been into an office?
Have you ever been into a school or college office?
Do you use a telephone?
Do you have a telephone number?

These are the skills you will practise in this unit.

Which are the most useful for you? Tick the boxes.	Skill code
☐ Reading and writing numbers up to 10	N1/E1.2
☐ Ordering and comparing numbers up to 10	N1/E1.3
☐ Adding single-digit numbers with totals up to10	N1/E1.4
☐ Subtracting single-digit numbers from numbers up to 10	N1/E1.5
☐ Understanding and using +, – and = signs	N1/E1.6
☐ Using a calculator to check calculations	N1/E1.7



Activity 12

On television and in newspapers they sometimes tell you the weather forecast for the next five days.

Look at the forecast and answer the questions. Draw or write the answers.

Wednesday
Thursday
Friday
Saturday
Sunday

e.g. What will the weather be like on Wednesday?
cloudy

1 On which weekday will it rain?

2 What will the weather be like at the weekend?

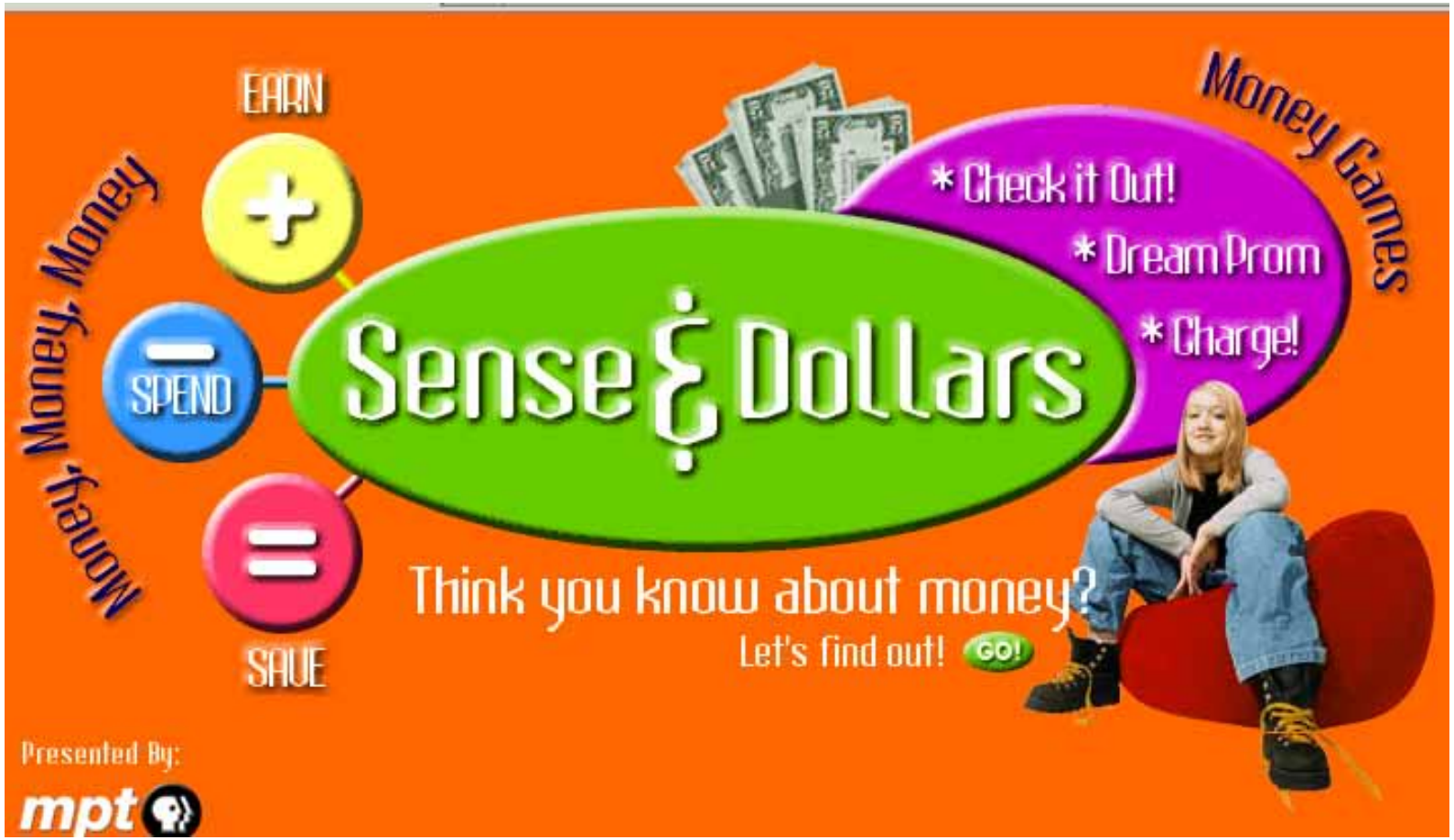
3 On what day will we have sun and cloud?

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Website

Senseanddollars-

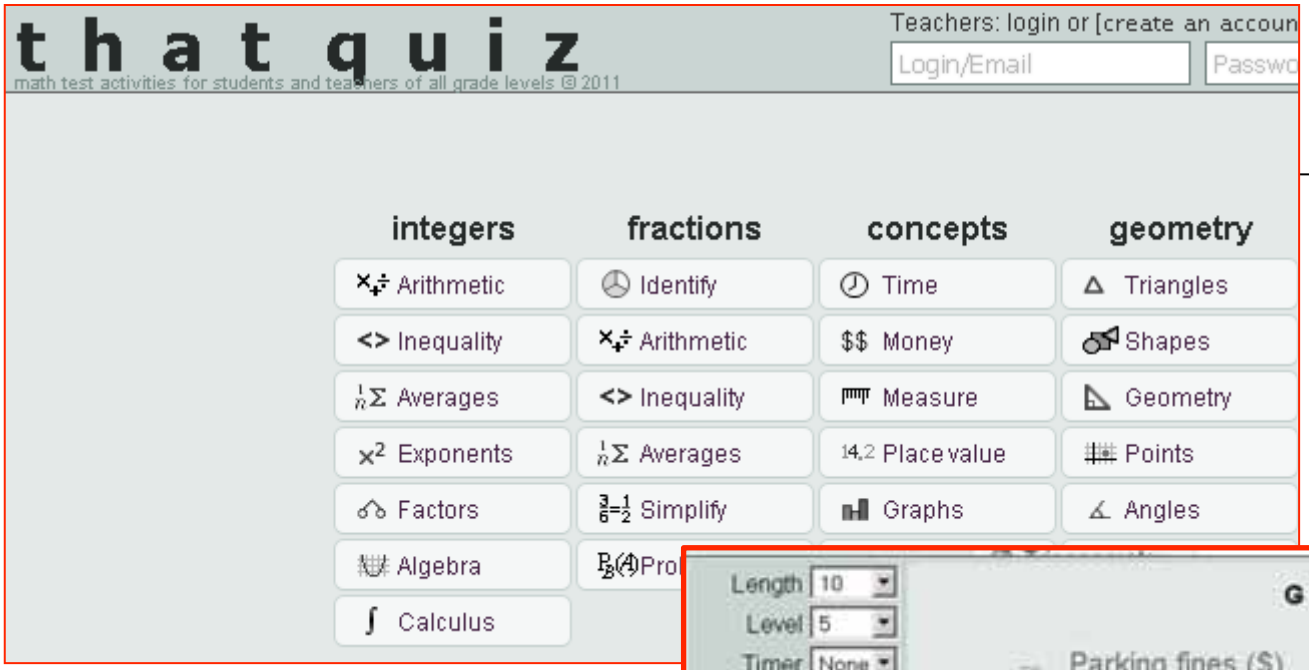
http://senseanddollars.thinkport.org/home.html



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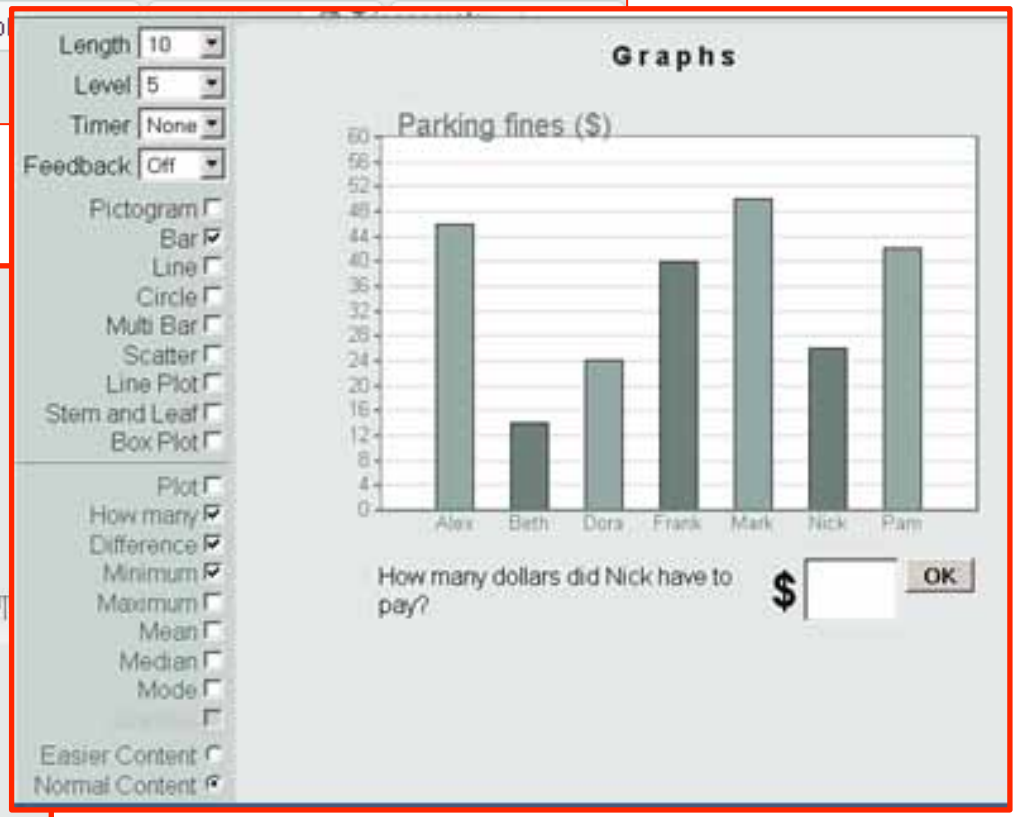
Financial literacy for youth – U S site

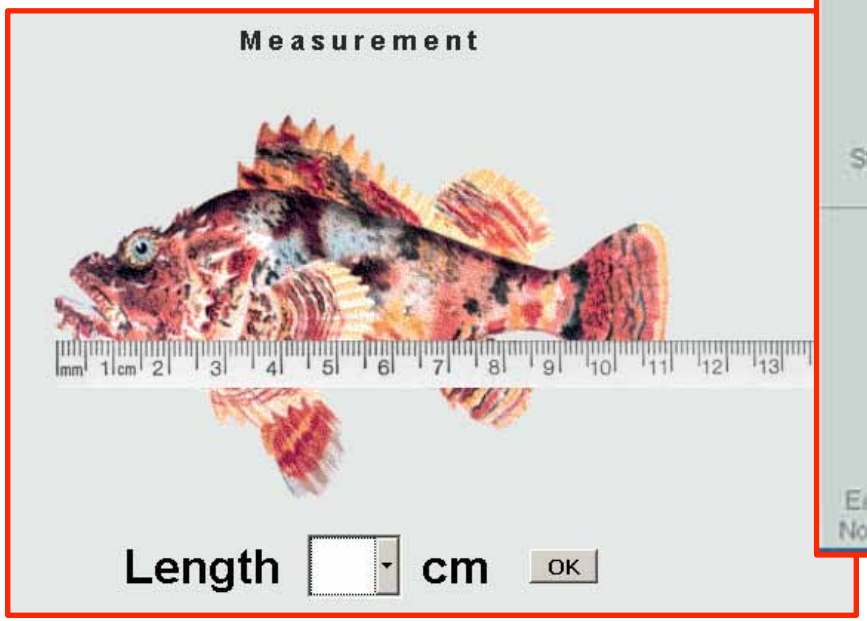
Website – interactive



Set parameters for the student

http://www.thatquiz.org

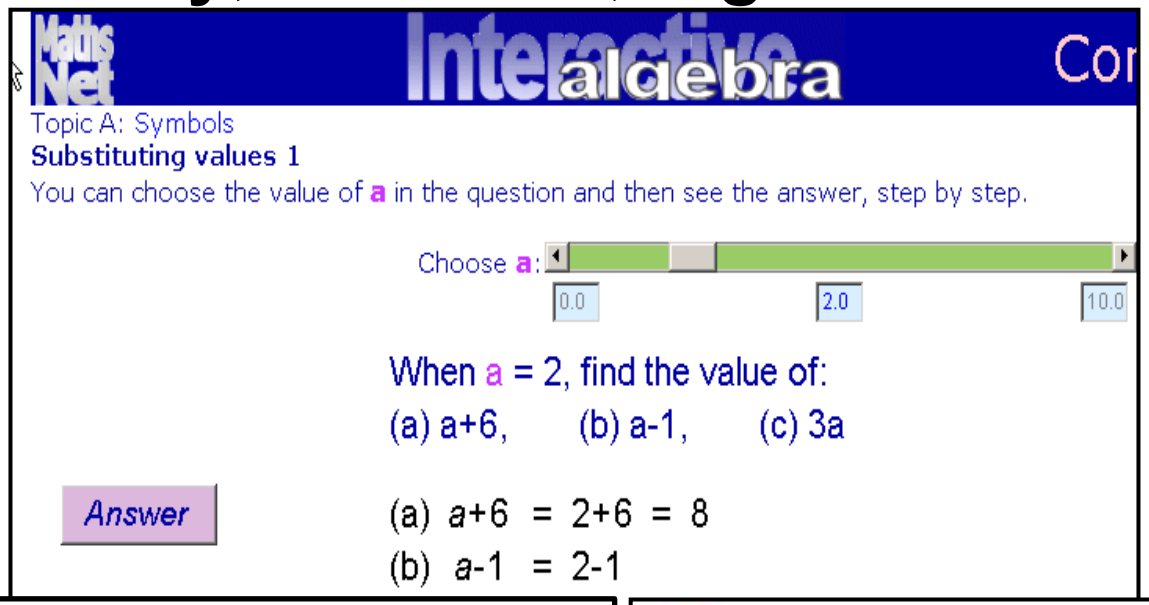


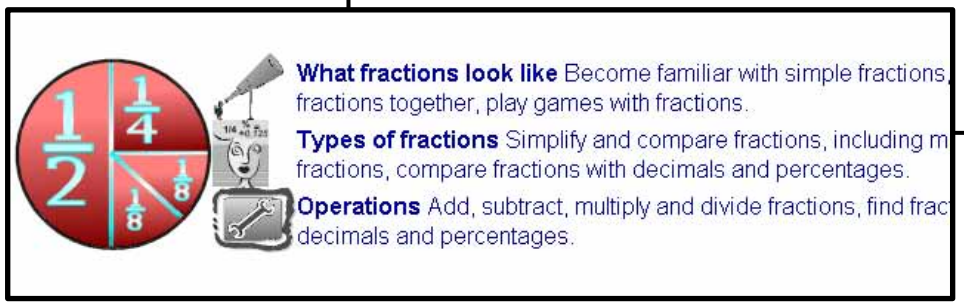


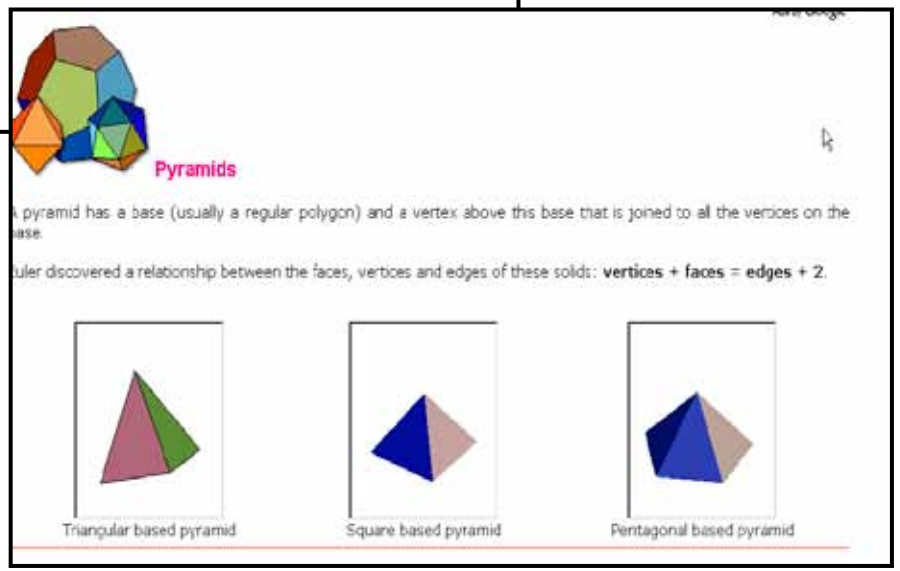
Website – interactive

Mathsnet – http://www.mathsnet.net/

geometry, fractions, algebra





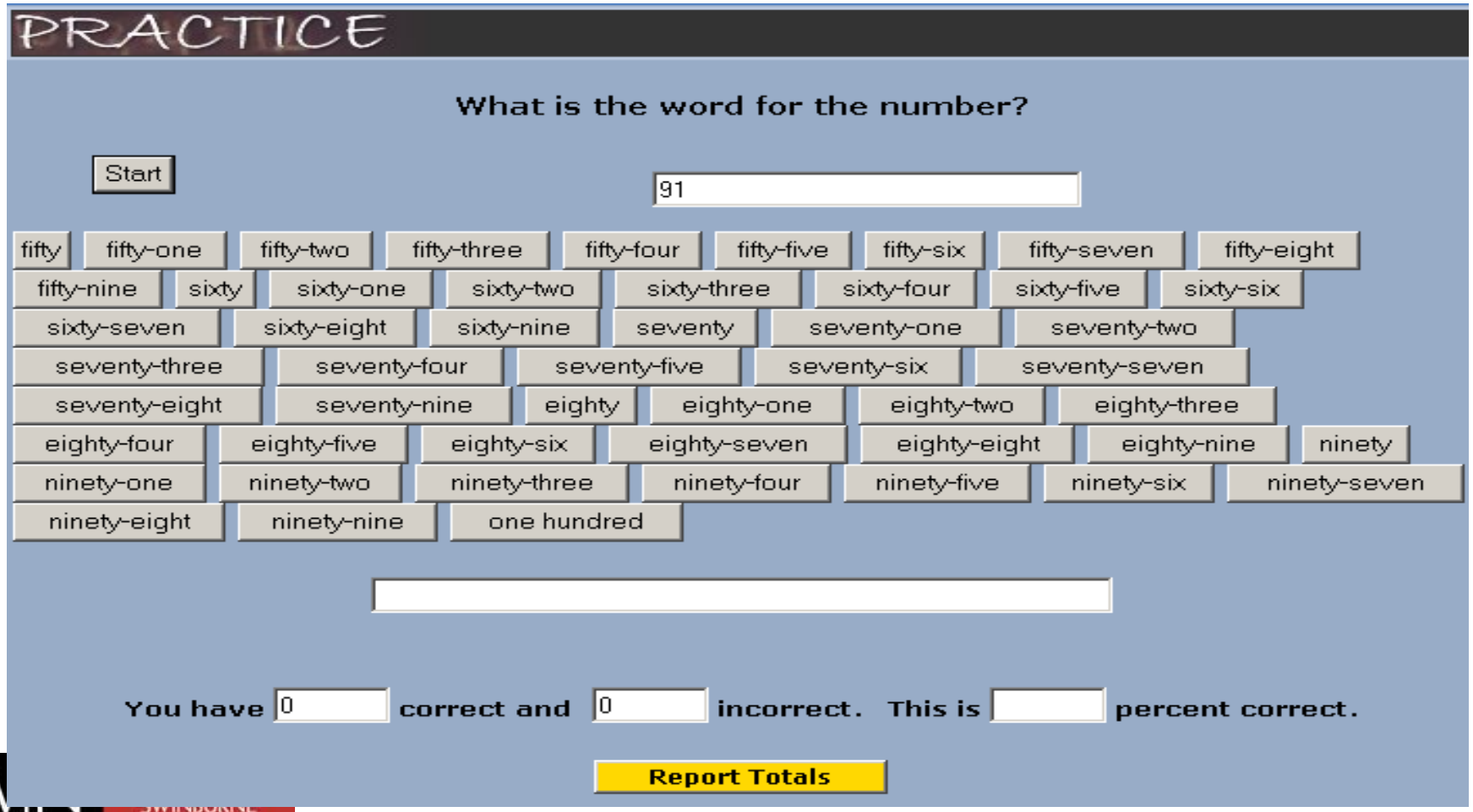


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Website – interactive

http://www.aaamath.com/B/nam.htm

– maths drills, words to numbers etc



Website – interactive & printable bingo

Just In Time

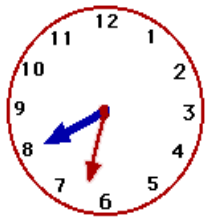
www.fi.edu/time/Journey/JustInTime/contents.html

Time Quiz!

Take the quiz to test your knowledge of telling time. Take it before you do all the practice activities and again when you finish to see if your skills have improved. GOOD LUCK!

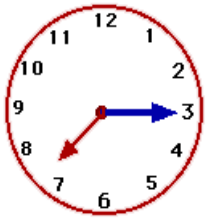
Click on the correct time under each clock. Then check your answers by clicking the **Get Score** button.

1.



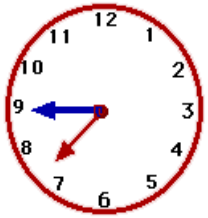
○ 6:40 ○ 7:20 ○ 8:30

2.



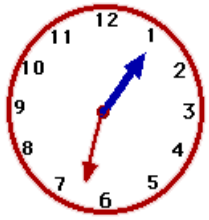
○ 3:00 ○ 3:35 ○ 7:15

3.



○ 9:35 ○ 7:45 ○ 8:15

4.

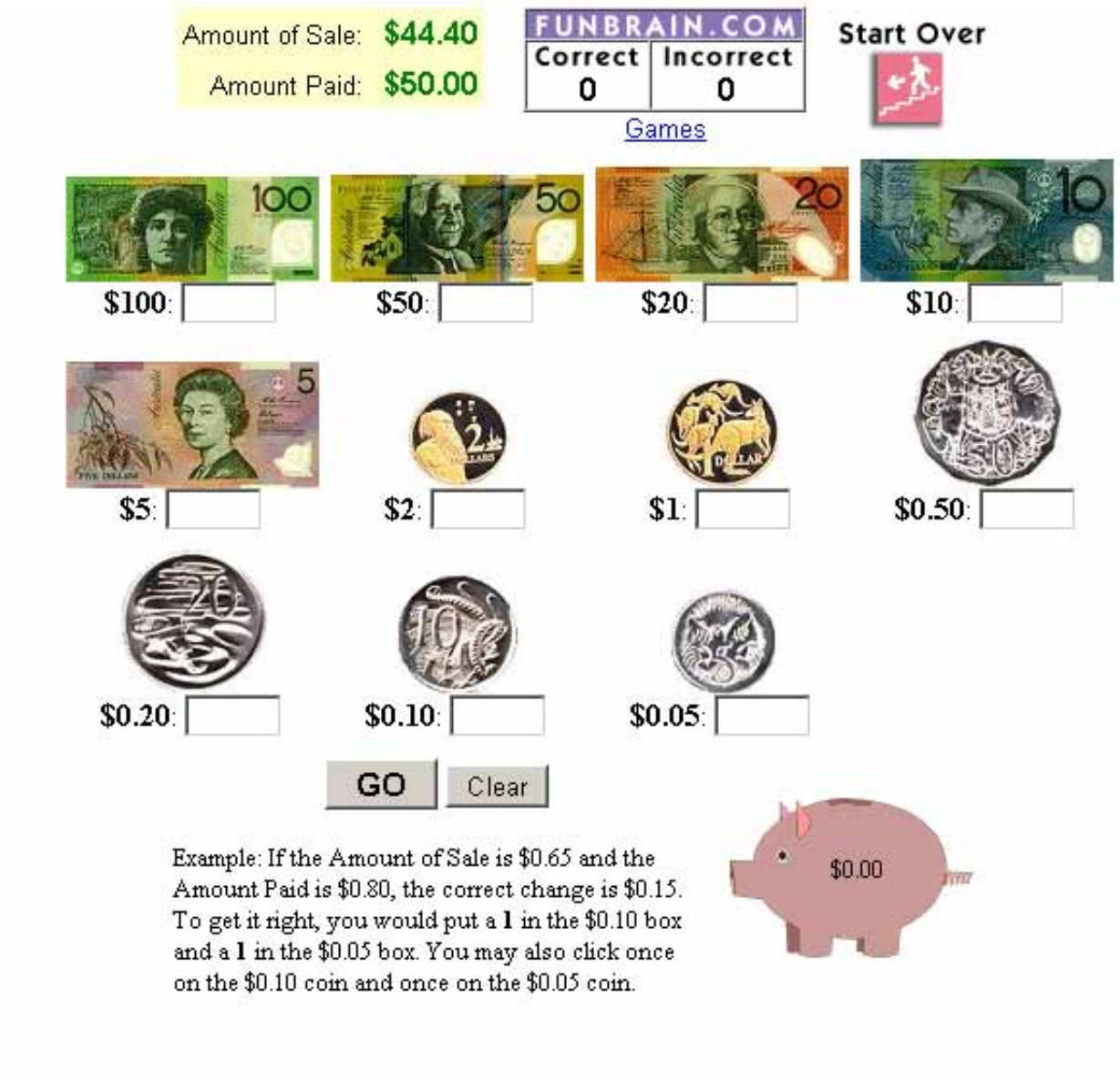


○ 6:05 ○ 7:05 ○ 1:35

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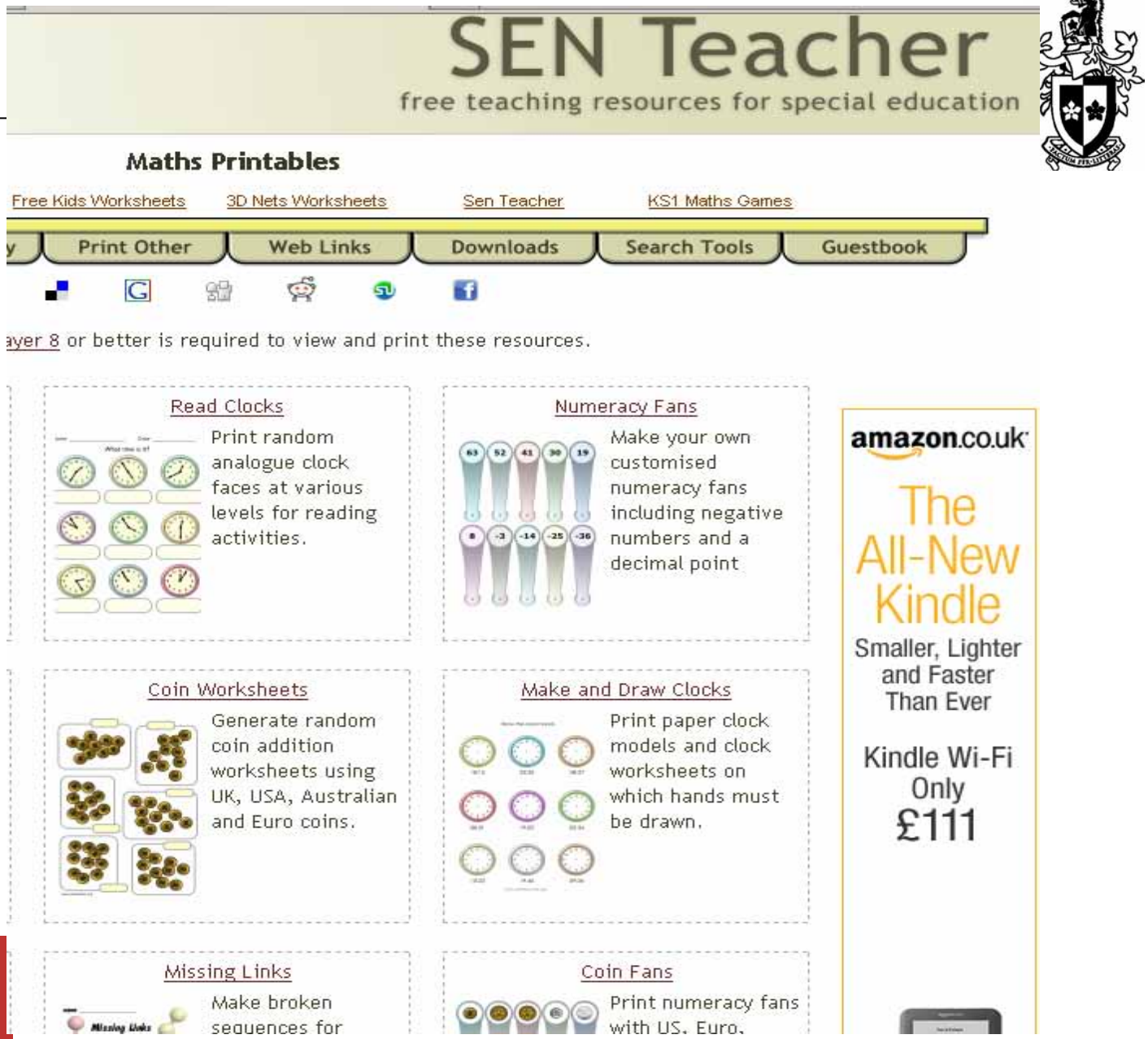
Website – simple interative

Change Maker http://www.funbrain.com/cashreg/



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Website – PDF only- teacher resource



http://www.senteacher.org/

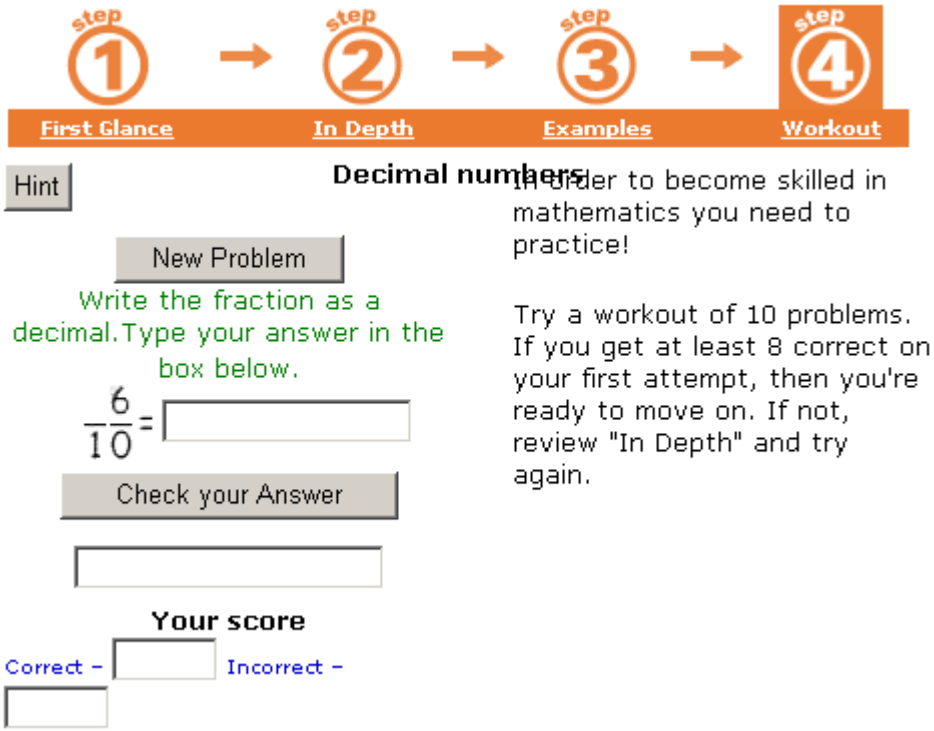
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Website – interactive

math.com

http://www.math.com/practice/EverydayMath.html

Has theory and creates quick practice quizzes – set the parameters and it will generate a 60 second quiz. Avoid the advertising.



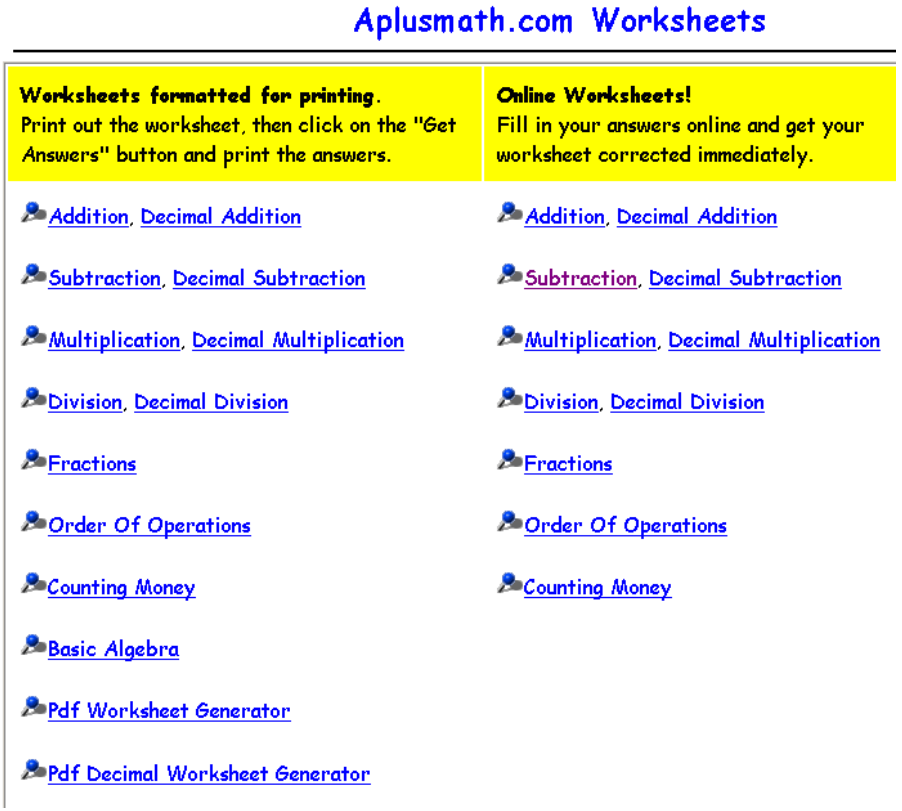
Website – interactive

Aplusmath

http://www.aplusmath.com/

- Good for basic operations, – **Worksheets** allow the learner or teacher to generate & print basic worksheets Covers order of operations and simple algebra. ANSWERS printed as well

Fractions, Algebra and Order of operations are suitable for level 2 learners.



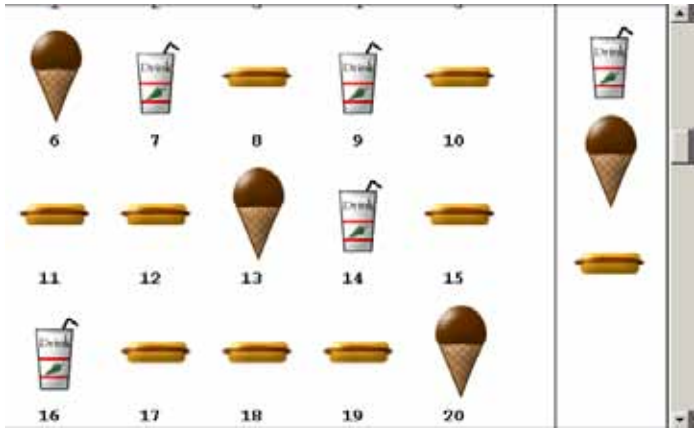
SWINBURNE UNIVERSITY OF TECHNOLOGY TAFE

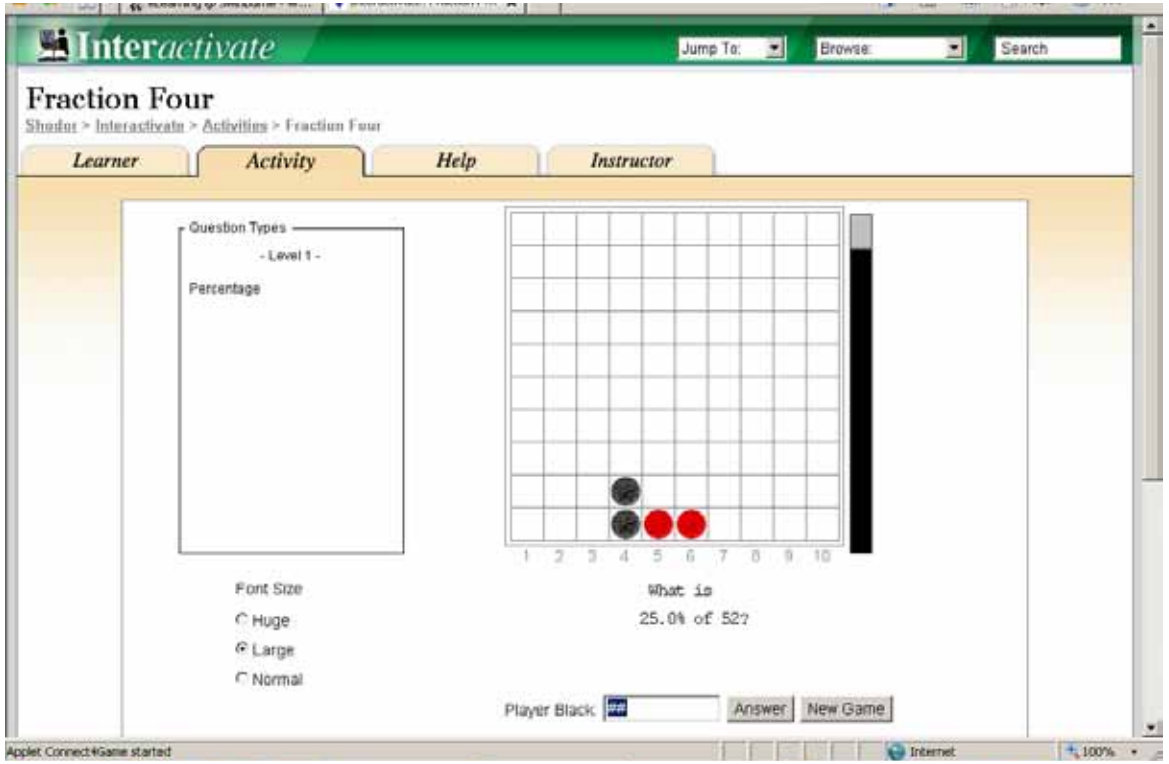
Website – interactive

Shodor Interactivate Activities

illustrations for whiteboard and many skill building puzzles- 3 levels of difficulty, basic arithmetic, or more complex – fractions- all combined with Connect Four- two players. Other is pattern recognition.

http://www.shodor.org/interactivate/activities/index.html





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Website – Print & interactive

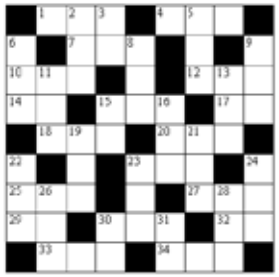
NUMBER & WORD PUZZLES

Entertainment and education for all ages since 1997

HUNDREDS OF FREE PUZZLES BELOW
Each link has many copies available
Use links at the bottom of each puzzle for the extra copies

WORKSHEET NUMBER PUZZLES		WORKSHEET WORD PUZZLES	INTERACTIVE NUMBER PUZZLES
One for kids	Mental maths	Divide word	One for kids
An easy starter	NEW Alfakodo NEW	Multiply word	Small beginner
Maths quiz	Treasure maze	*Watch this space*	Big beginner
Harder	Minimentals	XWord	Smartsum
Little harder	Crossnumber	*Watch this space*	Crossnumber
Multicode	Handymath	Crossword	Crisscross
Missing links	Crisscross	*Watch this space*	Numbercross
Small beginner	Trek test	Wordfind	Multiply tables
Test yourself	Numbercross	*Watch this space*	Harder
Smartsum	Cluesearch	Wordfill	Maths quiz
Jumbo maths	Multiply tables	NEW Owner profile NEW	Digicode
Gridsurf	Numbits		Numberfill

Maths quiz



©Ken Egan - rmaq001

ACROSS
1 .. 923 - 70
4 .. 796 - 55
7 .. 278 - 87
10 .. 420 + 139
12 .. 1320 ÷ 3
14 .. 27 - 10
15 .. 654 ÷ 2
17 .. 13 - 3
18 .. 55 × 2
20 .. 319 + 154
23 .. 15 × 8
25 .. 386 + 156
27 .. 141 + 34
29 .. 29 - 11
30 .. 97 × 3
32 .. 35 × 2
33 .. 334 ÷ 2
34 .. 6174 ÷ 9

DOWN
2 .. 1038 ÷ 2
3 .. 273 ÷ 7
5 .. 250 + 224
6 .. 765 - 14
8 .. 80 + 52
9 .. 75 × 8
11 .. 617 - 46
13 .. 3304 ÷ 8
15 .. 5 × 6
16 .. 112 + 630
19 .. 91 × 2
21 .. 716 - 15
22 .. 404 + 147
23 .. 676 ÷ 4
24 .. 425 × 2
26 .. 335 + 146
28 .. 497 + 279
30 .. 47 - 20
31 .. 25 - 9

- Many different free printable & interactive puzzles

- http://users.tpg.com.au/users/puzzles/

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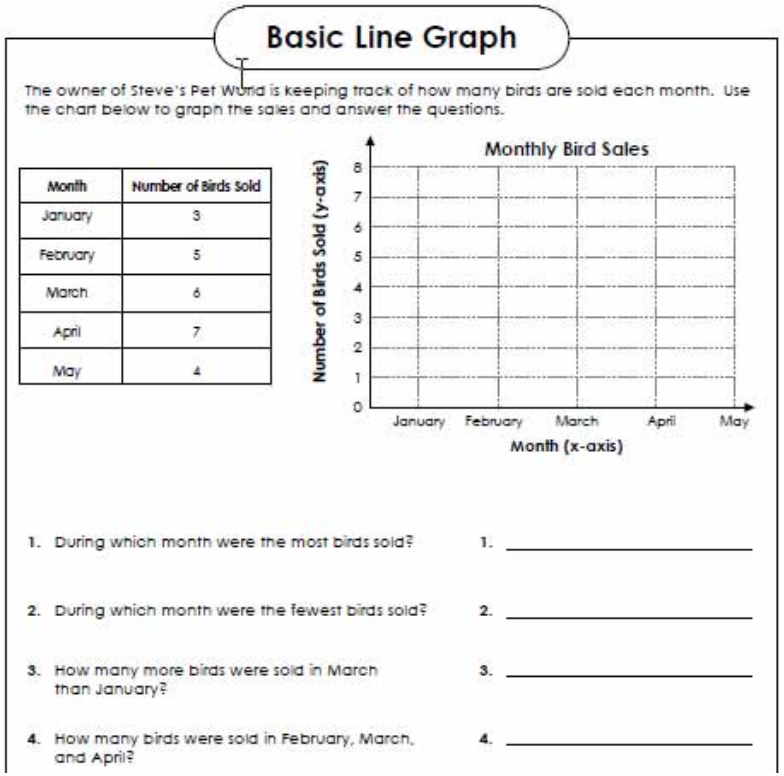
Website – printable worksheets

Superteacher Worksheets

http://www.superteacherworksheets.com/

Looks very schooly, but the worksheets OK for adult use

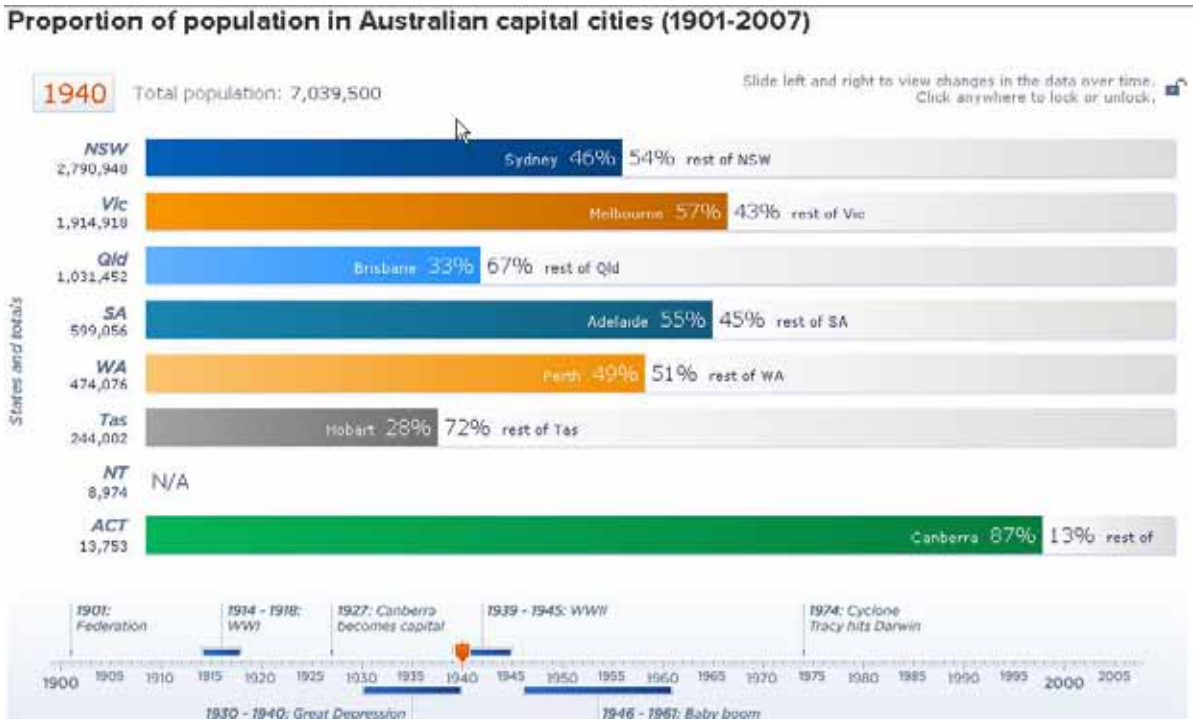




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Website –interactive for discussion

Australian Interactive graphs



- ABS style graphs that show variation in trends over 100 year period
- Level 2-3 CGEA
- http://www.abc.net.au/news/specials/census-2011/

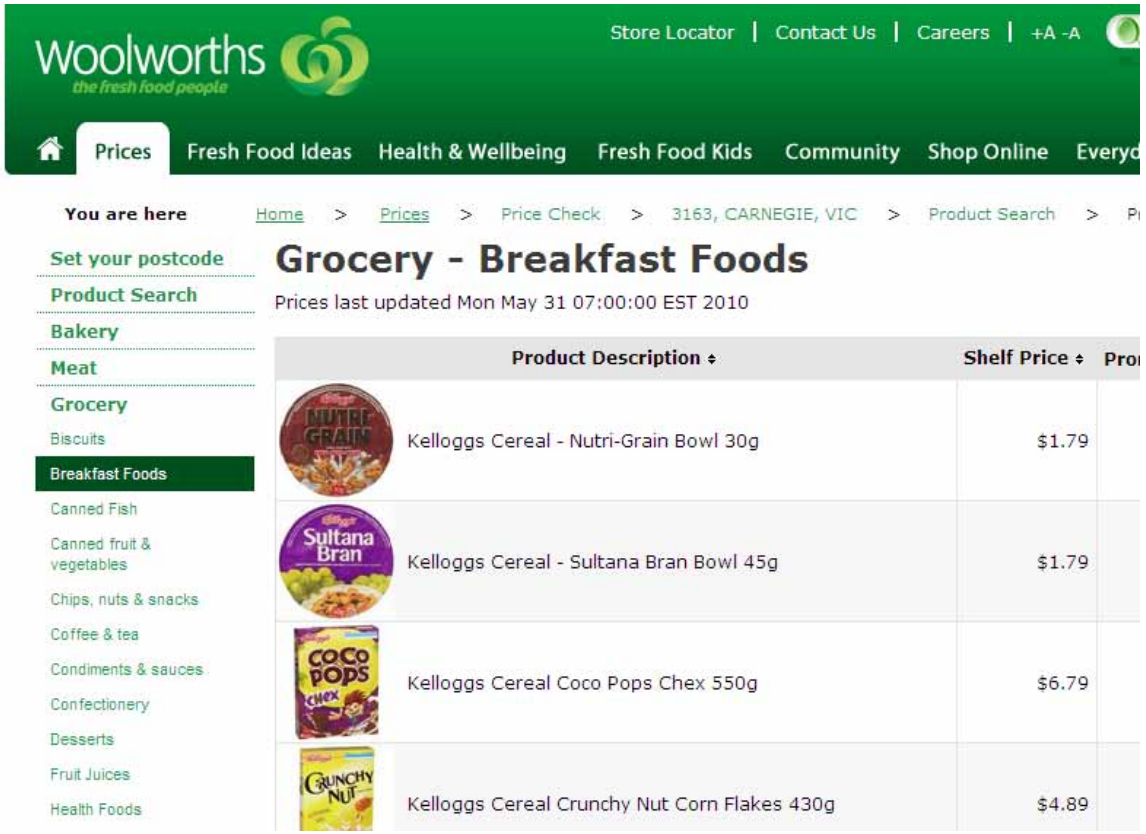
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Real Life Contexts

Real Life- Supermarket shopping

What can you buy for $100

weights

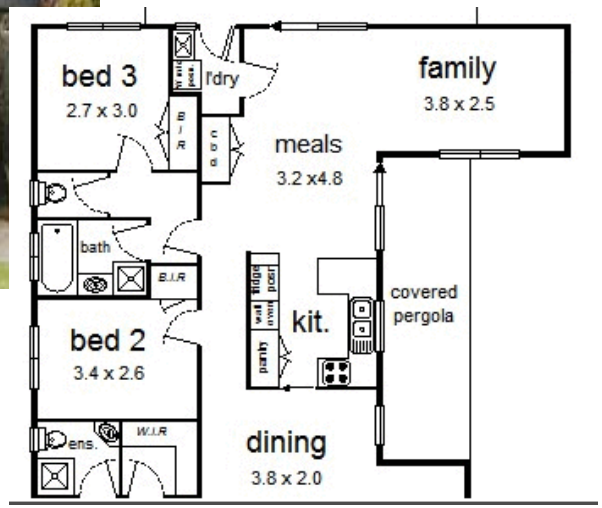


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Real Life Contexts

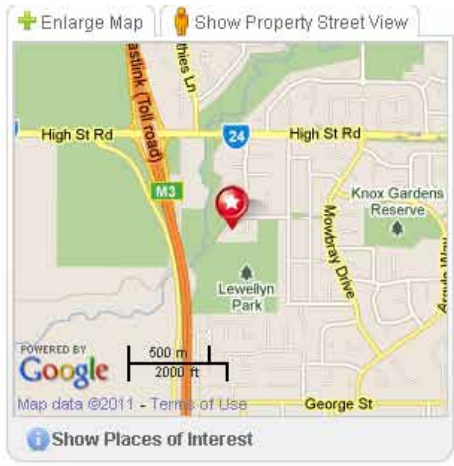
www.realestate.com.au







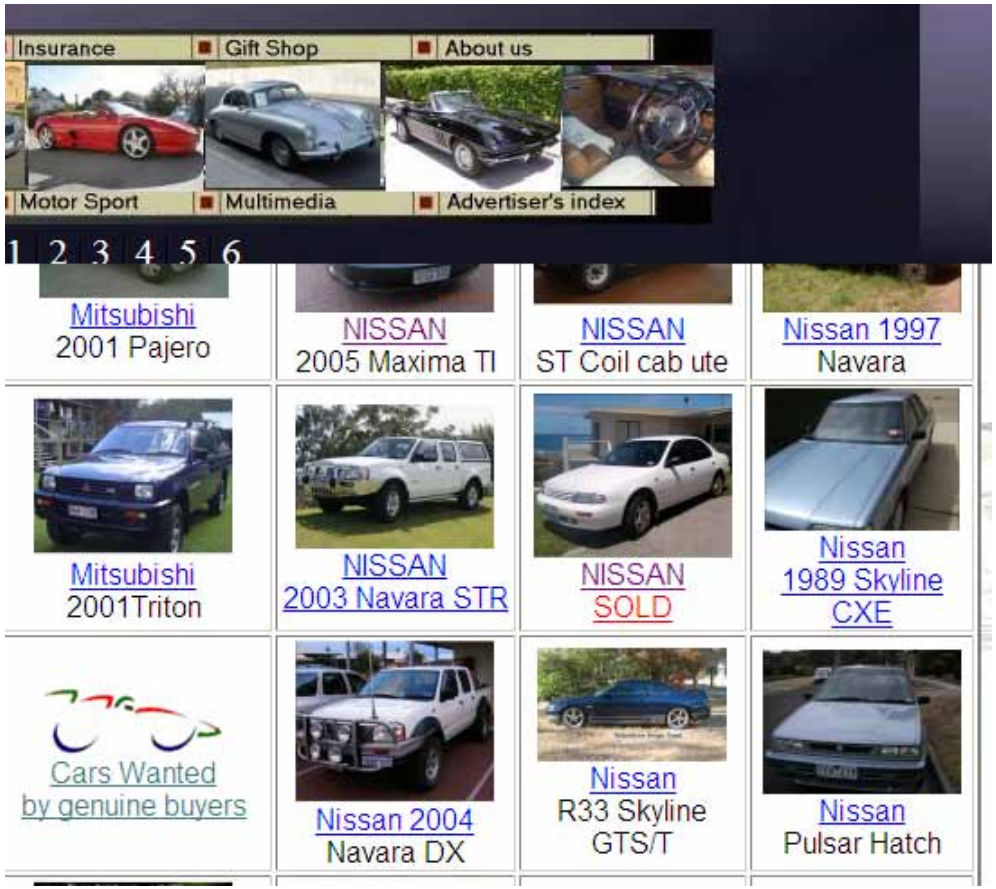




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Real Life Contexts

Cars Online Auto Trader



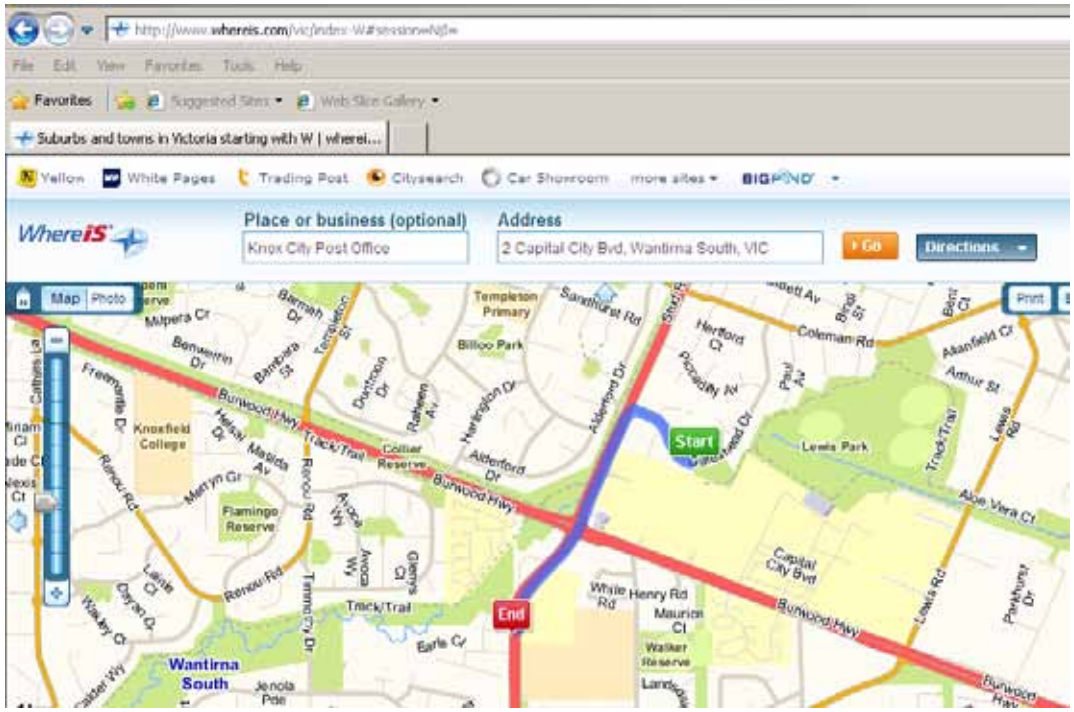
- Select 3 cars
- Read the price
- Write the price in figures and words
- Order three prices
- Look at finance options

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Real Life Contexts

Whereis

- Interpret a map
- Follow directions on the map
- Investigate travel times



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Real Life Contexts

Comparing Temperatures

- http://www.worldclimate.com/
- Search for home country
- Read and interpret temperatures, or rainfall
- Collect data from a couple of cities (ave monthly temp etc)
- Order cities according to temperature
- Language of maths eg Write some sentences eg
  In July, Paris is warmer than Melbourne

Climate Data for 39°N 116°E

This area is about 111km (69 miles) from north to south and abou
places within this area. Sometimes more data is available for locat
climates can vary widely even in an area this small, especially with

BEIJING, CHINA
24-hr Average Temperature
Average Rainfall
Average Sea-Level Pressure
Average Station-Level Pressure

Weather station **BEIJING** is at about 39.93°N 116.20°E.

24-hr Average Temperature

	Jan	Feb	Mar	Apr	May	Jun
°C	-4.6	-1.8	4.7	13.6	20.0	24.4
°F	23.7	28.8	40.5	56.5	68.0	75.9

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