W4 – Maths and interactivity

By Cidália Marques

The workshop will have three moments:

1- visit and play with games on key websites (30m)

2- create our own puzzles on-line (15m)

3- create a game on a offline tool (45m)

Lisbon, Portugal
31st May – 2nd June 2012

Maths and ICT

FOR MORE INFORMATION ACCESS TO:

http://pwdmathsict.webnode.com/

Just follow the PowerPoint links

Data Analysis and Probability

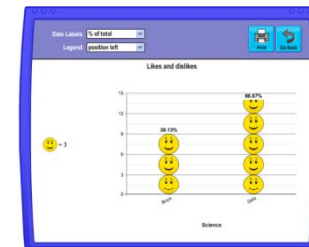**Do I have to teach how to use a spreadsheet to make a graph or a chart?**

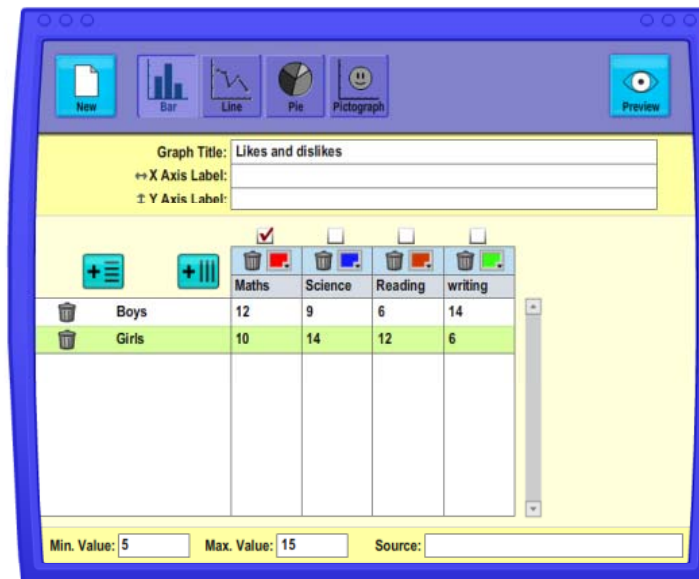# Data Analysis and Probability - Grades 3 -7

Analyze data with bar graphs, line graphs, pie charts, and pictographs
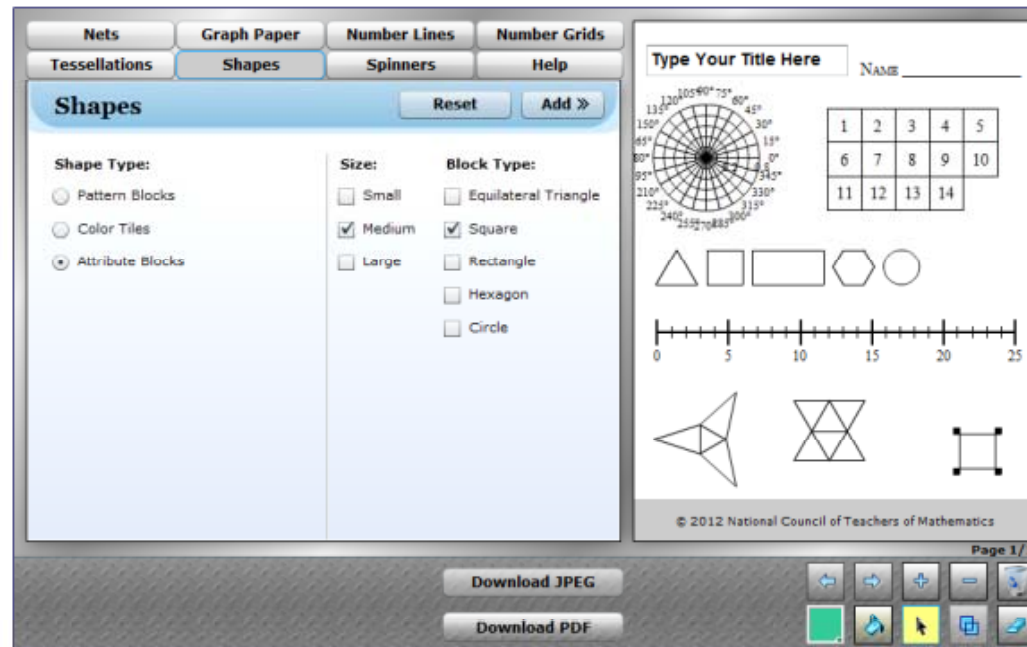

Data Grapher > Activities > 3-8

Dynamic Paper

Nets,
graph
paper,
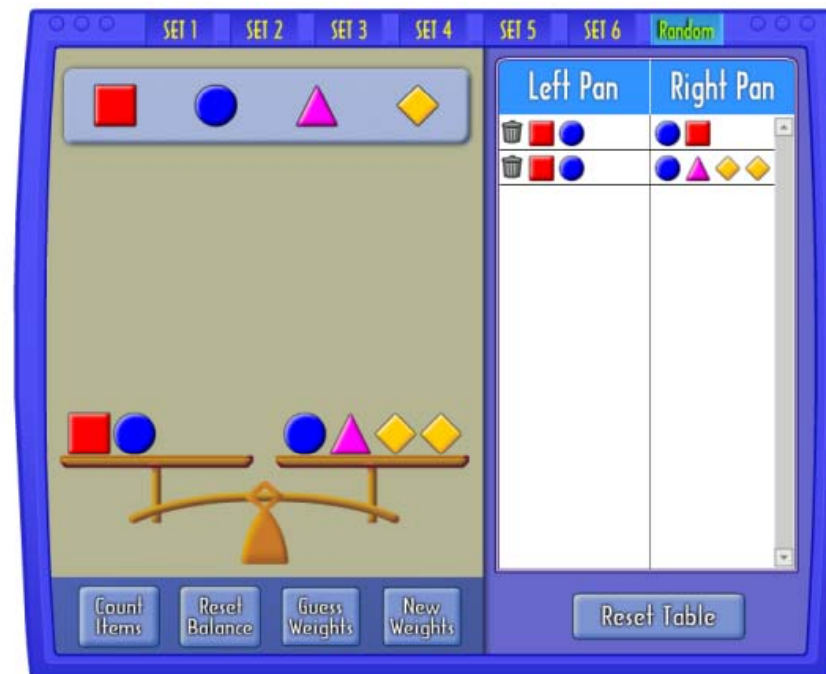numberli
nes,
number
grids…

Dynamic Paper > Activities

Pan Balance – Shapes Grades 3 - 8

Exploring a balance tool using shapes of unknown weight

Cubes

volume of a box,
its width, depth,
and height

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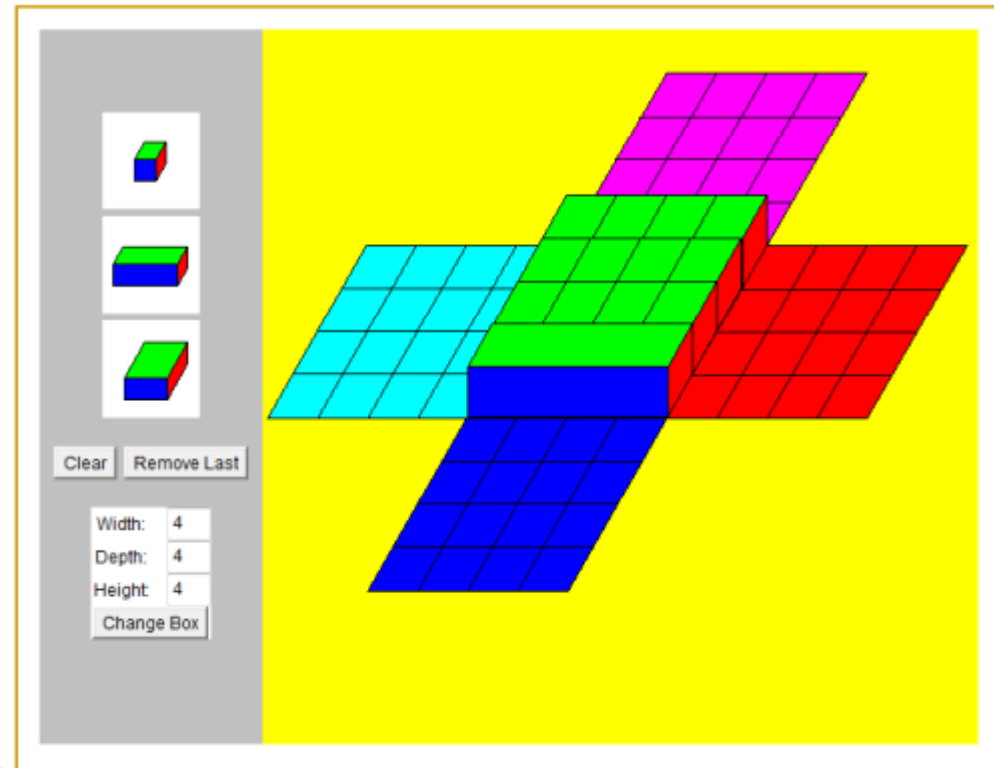
Multiplication

Multiplication
and planning

YOUR TURN...

1	2	3	4	5	6
7	8	9	10	12	14
15	16	18	20	21	24
25	27	28	30	32	35
36	40	42	45	48	49
54	56	63	64	72	81

Move the markers on
the number line to
make products.
Four in a row wins.

PLAYER   COMPUTER

NEW GAME

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |

HOODA MATH

Multiplication
Multiply 2 ⟩ Math tools ⟩ 3-8

Memory

Training Memory

Scene Memory
Memory 2 Activities 3-8

Multiple themes

Counting,
shapes,
memory, patterns,
puzzles…

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Making puzzles

Puzzles are one of the games that the majority of children like. Parents and teachers often underestimate the effectiveness of puzzles in teaching children skills and concepts. Spatial skills, hand-eye coordination, math, language, social science and science concepts, as well as logic and thinking skills can be developed with puzzles.

Jigsaw Puzzles
Jigzone

3-...

1280_800_200911i

Wave

DN00038lq (600x3?

P1010349

020

Animal-White-Ti

Leaves

Flores_rosas-1280x

Mosaic

An offline Tool – Doing our own resources

JClic

JClic
It is the main programme, used for doing the activities. It allows you to create and organize your own library of projects, and to choose between different graphic environments and operating options.

JClic author
This tool allows you to create and modify JClic projects, in a very intuitive and visual environment. The activities can be embedded in a web page, or integrated into a library of projects in order to be used by JClic. The tool also offers the possibility of converting packages of activities made with Clic 3.0 into the new JClic format.

Demonstration activities
The best way of discovering the possibilities of JClic and learning how to create new applications is to see the demonstration activities and to examine them. This button will take you to a page from which you will be able to download and integrate them into your library of projects.

Tutorial Modules in English

JClic reports
This module allows the management of a database in which the results obtained by the students when carrying out the activities of the JClic projects are compiled. The programme works in a network and offers the possibility of generating statistical reports of the results.

More links here