# Parents Maths

Warsztat matematyki dla rodziców

# Workshop

# Maths activities we do in Year 4

- Know all the times tables by heart up to 12 x 12, e.g. know facts like 7 x 5= and division facts like 36 ÷ 4=.
- Round numbers like 672 to the nearest 10 or 100.
- Work out that a simple fraction like 2/6 is equivalent to 1/3.
- Work out sums like 26 + 58 and 62 – 37 in their heads.
- Work out sums like 234 + 479 or 791 – 223 using pencil and paper and writing them in columns.
- Multiply numbers like 38 by 10 or by 100, and divide numbers like 4200 by 10 or by 100.
- Multiply and divide numbers up to 100 by 2, 3, 4 or 5, and find remainders, e.g. 36 x 3, 87 ÷ 4.

- Change pounds to pence and centimetres to metres, and vice versa, e.g. work out that £3.45 is the same as 345p, and that 3.5 metres is the same as 350 centimetres.
- Tell the time to the nearest minute and use a simple timetable.
- Pick out shapes with similar features, e.g. shapes with sides the same length, or with right angles, or symmetrical shapes.
- Use +, –, x, ÷ to solve problems and decide whether it is best to calculate in their head or on paper.
- To answer world problems and identify the calculation needed.
- To present data in a range of forms. Bar charts, tally charts and line graphs.

# Snaps from our album

- Each year, Maths becomes slightly more formalised. However, during all of our lessons, children are able to access practical resources and this is encouraged throughout the school regardless of a child's age!

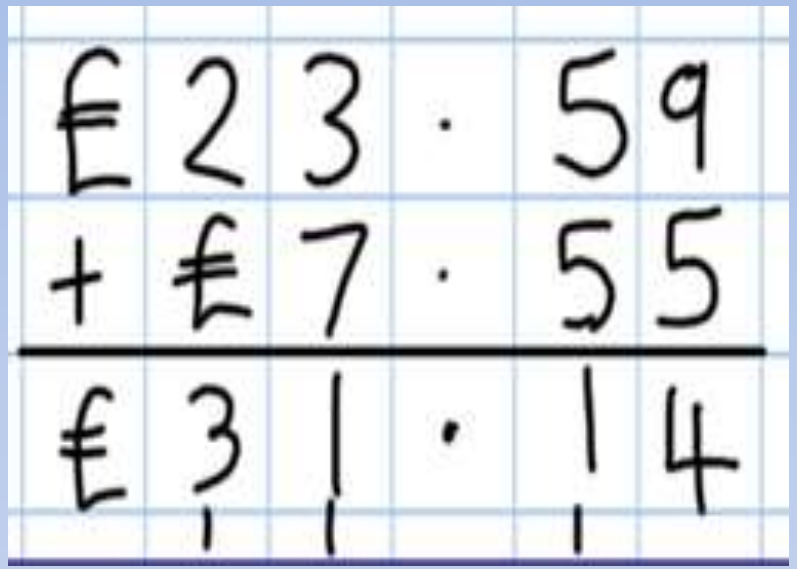
# Understanding number place value Hundreds, tens, ones, tenths and hundredths

**Money is an excellent resource to use at home and in school when thinking about number!**

# Addition and Subtraction

**Add and subtract 2 and 3 digit numbers**

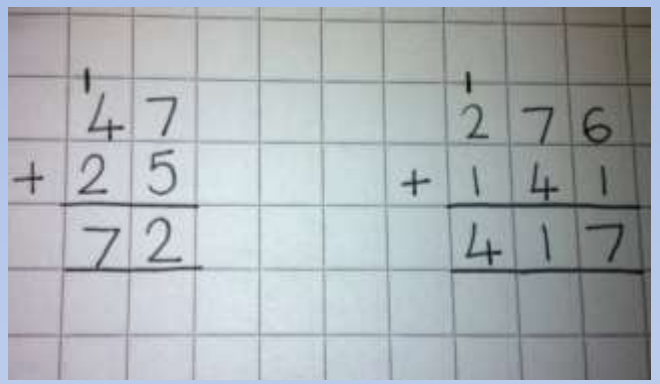
- **including money, measures and decimals with different numbers of decimal places.**
- **The decimal point should be aligned in the same way as the other place value columns, and must be in the same column in the answer.**
- **Pupils should be able to add and subtract more than two values, carefully aligning place value columns.**
- **Children should:**
- **Understand the place value of tenths and hundredths and use this to align numbers with different numbers of decimal places.**



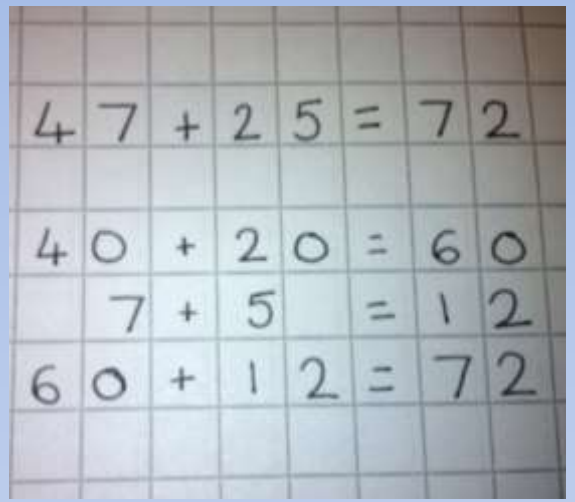

The decimal point should be aligned in the same way as the other place value columns, and must be in the same column in the answer.

# Dodawanie
# Different Addition strategies

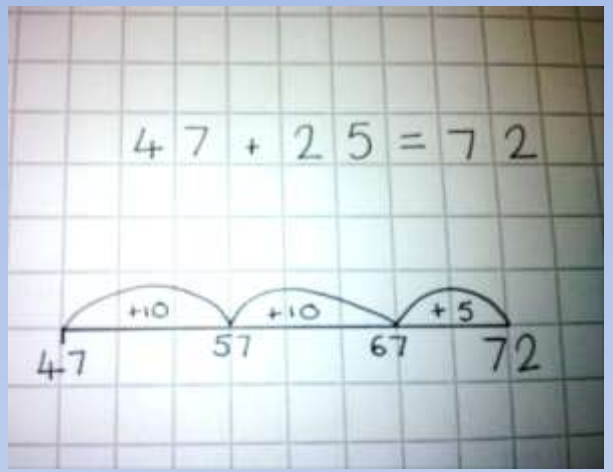
Column Addition

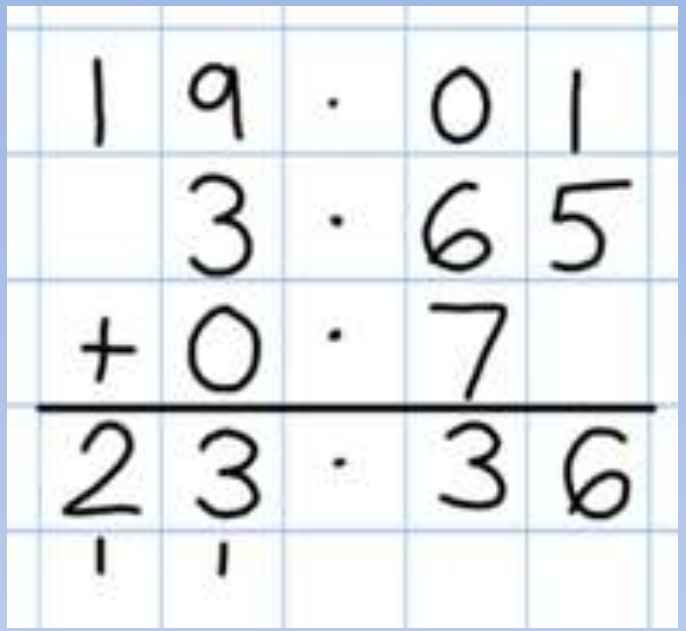



Partitioning




Number lines



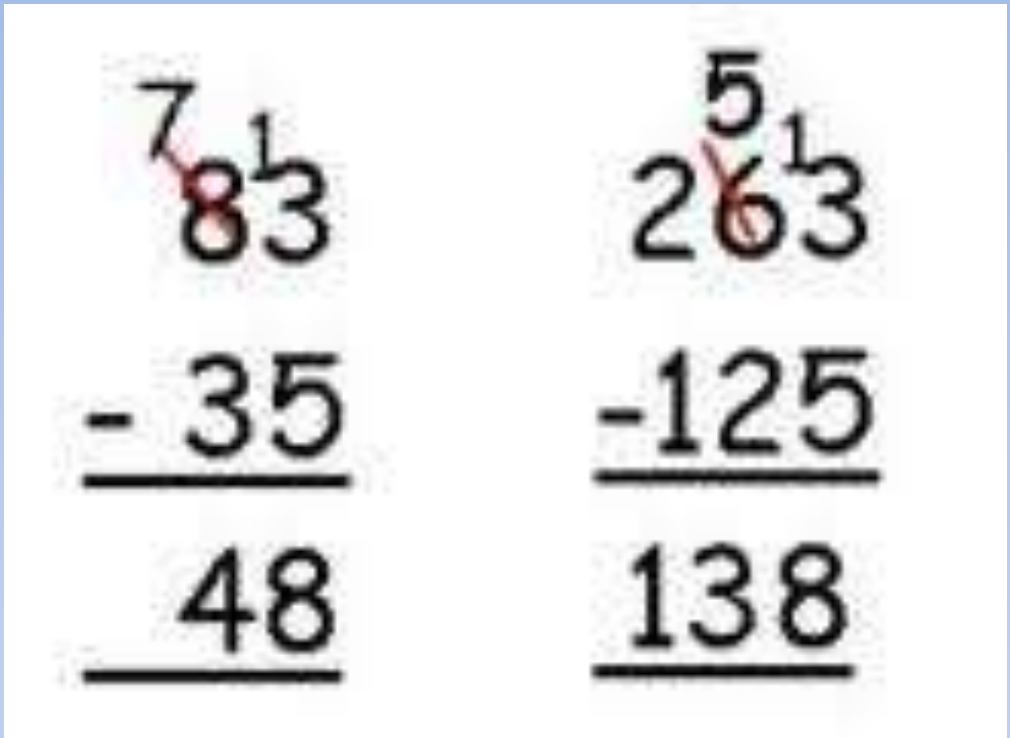


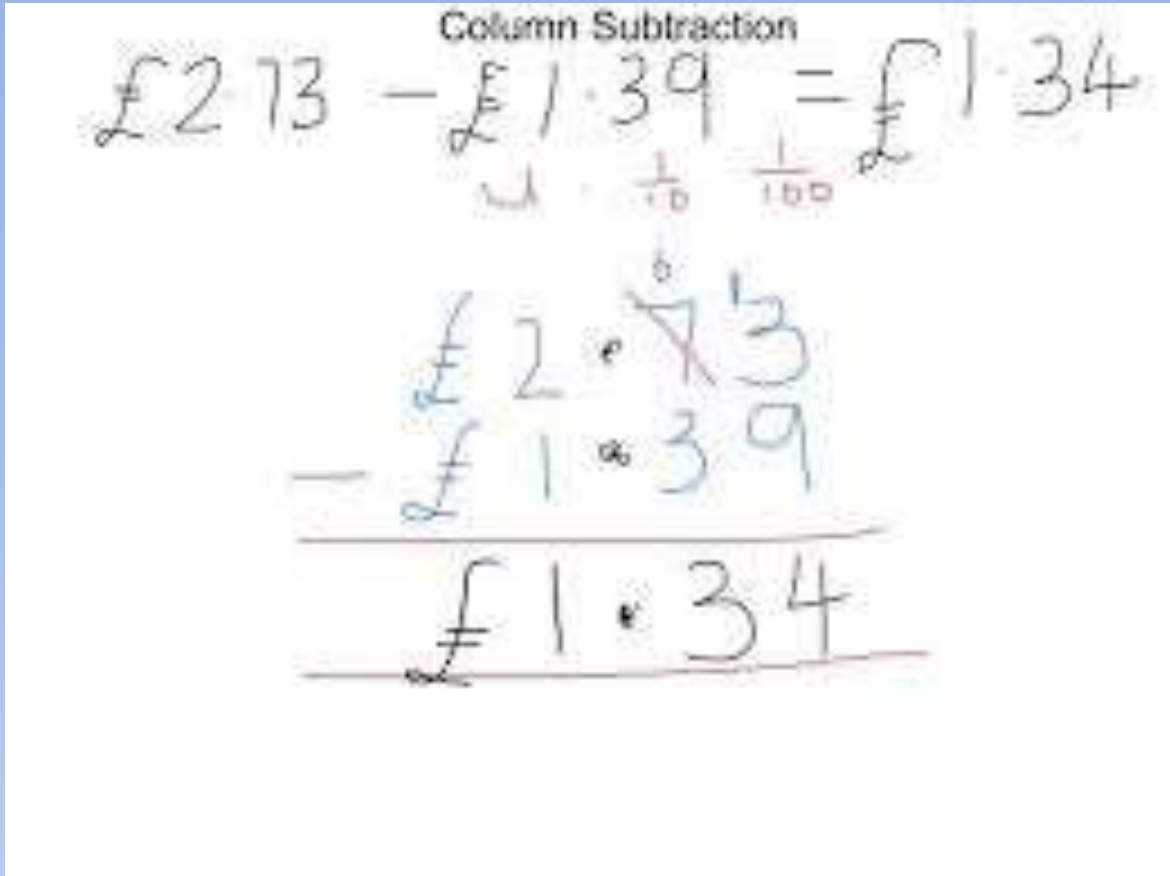

Pupils should be able to add more than two values, carefully aligning place value columns.

Say „6 tenths add 7 tenths" to reinforce place value.

# Subtraction
# Odejmowanie

## Column subtraction (with exchanging).






Create lots of opportunities for subtracting and finding differences with money and measures.

# Multiplication

Mnożenie

We have been learning to multiply up to 2 digit number by 2 digit numbers. We have been using the grid method.

# Measuring

## Mierzyć

## We investigate kilogram, grams, litres and millilitres

**The children were measuring and ordering items we find in the classroom.**

# We make maths relevant!

**The children have been looking at different weights on household objects,**

# How can I help my child with measuring weight?

**Cooking or baking with your child is a great way for them to experience weighing and measuring!**

# Measuring Length

erzyć

**We use rulers to measure to the nearest mm**

**Find the difference between two lengths.**

**Estimate length**

**Begin to convert measurements**

# Kształty płaskie i solidne

# 2D and 3D shapes

## The children have been creating 3D shapes using polydron and creating a booklet all about their properties.

# Number facts

- Halving and doubling
- Factors
- Multiples
- Prime numbers
- Inverse

*Here the children had to ask their partner a doubling or halving question. Their partner had to answer before they caught the ball.*

# Loop cards

A fantastic way to speed up our mental math's skills.

Matematyka on-line

# Maths online

# Got a computer at home?

- Try logging on to free interactive websites
- www.numbergym.co.uk
- www.ictgames.com
- www.topmarks.co.uk
- www.iamlearning.co.uk
- (we are adding maths + literacy extra homework)

MATHLETICS

http://community.mathletics.com/default.aspx?productid=1
Jesus of Naz...
Jesus Of Na...
Jesus Wash ...
Mathletics

My Profile

# Izabella Pazurek

St Anthonys RC Primary School

Live Mathletics

My Daily Points
129

## Activities

Activities

129
POINTS THIS WEEK
800
600
400
200
0

My Awards

- Number
- Calculations
- Multiplication and Division
- Calculations - Fractions and Decimals
- Mental Methods
- Factors and Multiples
- Data
- Probability

Problem Solving

Concept Search

Rainforest Math

Times Tables Toons

Spellodrome

3 Gold Bars
146 more to go
How do these work?

3 2 0 146

http://community.mathletics.com/default.aspx?productid=1
Jesus of Naz...
Jesus Of Na...
Jesus Wash ...
Mathletics
Level 3
Users Online 7
12 +
= 20
53
Izabella P
St Anthonys RC Pr...
Score 0
St Anthonys RC Primary School
Melisa K
English Modern S...
Score 0

# Decimals - Multiply Decimals: 10, 100, 1000

Question 1 of 10

Evaluate:

$0.9 \times 10 =$ ☐☐

Statistics

Submit

# Decimals - Multiply Decimals: 10, 100, 1000

Question 1 of 10

Back

Evaluate: $1.4 \times 10 =$

| tens | ones | tenths | | |
|---|---|---|---|---|
| | 1 | . 4 | × | 10 |
| 1 | 4 | . 0 | | |

When we multiply by 10, every figure moves one place to the left.

Statistics

Easier | Medium | Harder

http://community.mathletics.com/default.aspx?productid=1
Jesus of Naz...
Jesus Of Na...
Jesus Wash ...
Mathletics

Back

# My Awards

Lifetime

This Week's Points 143

1 Visit Bronze Cafe

0 Visit Silver Balcony

0 Visit Gold Computer

1000 Points in a week = 1 Bronze Certificate
5 Bronze Certificates = 1 Silver Certificate
4 Silver Certificates = 1 Gold Certificate
Maximum 1 certificate per week

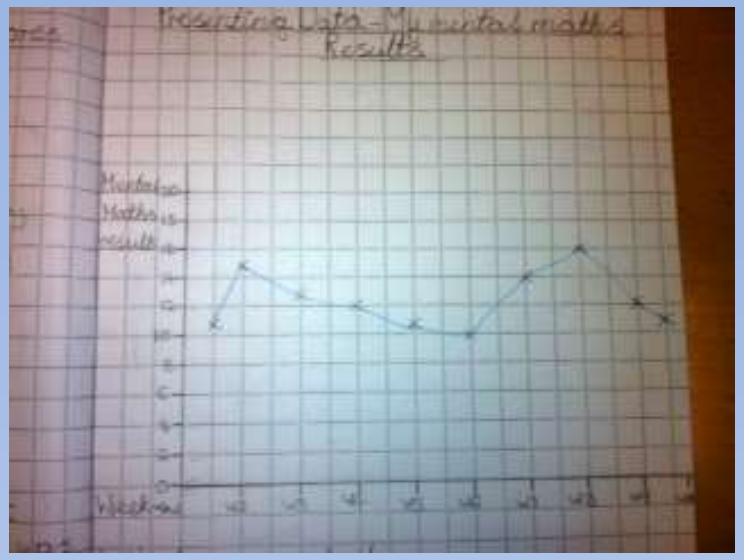
# Time

## Czas

**Time – we have looked at analogue and digital clocks and telling the time on both.**

**Discuss the time with the children at home…..**

# Data Handling



# Word problems

**A yo-yo costs 65p. How many can you buy for £2?**

**How much change will there be?**

A bus seats 52 people. No standing is allowed.

7 people get off a full bus. How many were left on?

How many people can sit on 6 buses?

# Enjoy maths with your child!