Helping your child with maths

Strategies for parents

St Thomas More Catholic Primary School Nov. 2011

- Using and Applying Mathematics
- Number
- Shape, Space and Measures
- Handling Data
Early Learning Goals

• I can say some number names in familiar contexts, such as nursery rhymes
• I can say numbers in order
• I can recognise numbers 1 to 9
• I can order numbers to ten
• I can recognise, count, order, write and use numbers to 20

Level 1 Calculating

• I can add up 2 sets of objects.
• I can take some objects away from a set and say how many are left.
• I am starting to know some addition facts.
• I can answer problems that need me to add up or take away.
• I can write down my adding up and taking away.
Level 2 Calculating

- I understand that subtraction is the inverse of addition.
- If I am given an addition fact I can say the subtraction that goes with it.
- I understand that halving is a way of undoing a double and that doubling is a way of undoing a half.
- I know and can use my addition and subtraction facts to 10.
- I can use mental strategies to solve basic problems including money and measures.
- I understand and can use addition and subtraction.
- I can carry out multiplications using repeated addition.
- I can work out which operation to use when given a problem.
- I can work out word problems that need me to add, subtract and multiply.
- I can record my work using mathematical symbols.

Level 3 Calculating

- I know my 2, 3, 4, 5 and 10 times tables.
- When I am given a multiplication fact I can give related division facts.
- I can add or subtract two digit numbers mentally (in my head).
- I know all my addition and subtraction facts for numbers to 20 and I can use them to help me solve problems with larger numbers.
- I understand that = means equals or the same as.
- I can add or subtract three digit numbers using written methods.
- I can multiply or divide two digit numbers by 2, 3, 4, 5 and 10 and give remainders.
- I can solve problems that require multiplication and division.
- I can round answers to calculations up or down depending on the question.
Level 4 Calculating

- I can use brackets in simple calculations.
- I can use a range of mental calculations for all four operations.
- I can recall multiplication facts to 10x10 and quickly give division facts.
- I can use effective written methods for addition, subtraction, multiplication and division by one digit numbers.
- I can multiply a simple decimal by a one digit number.
- I can solve problems with and without a calculator.
- I can check my answers to see if the answer is of a reasonable size.
- I can give answers that take account of the question.

Level 5 Calculating

- I can use known facts, operations and brackets to carry out calculations that include all four operations and decimals to two places.
- I can give mental estimates using approximations.
- I can use a calculator to calculate fractions and percentages of quantities and measurements
- I can use non calculator methods to multiply or divide three digit numbers by two digit numbers
- I can solve problems that require ordering, adding and subtracting negative numbers.
- I can solve simple ratio and proportion problems.
- I can check my answers by using the inverse operation and estimates.
Gifted & Talented
Level 6

- I can use mental and written methods for finding percentages of quantities e.g. 13% of 48 = ?
- I can find the outcome of a given percentage increase or decrease, e.g. I can calculate an increase of 15% on an original cost of £12
- I can use unitary methods and multiplicative methods to solve problems (proportional reasoning) e.g. There was a 25% discount in a sale. A boy paid £30 for a pair of jeans in the sale. What was the original price of the jeans?