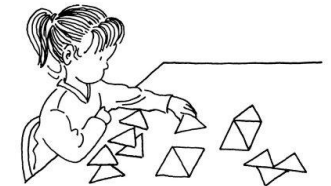


# Broomlands Primary School

## Helping with Maths



### Decimal number plates

- ◆ Each choose a car number plate with three digits.

**P645 CJM**

- ◆ Choose two of the digits, e.g. 4 and 6. Make the smallest and largest numbers you can, each with 1 decimal places, e.g. 4.6 and 6.4.
- ◆ Now find the difference between the two decimal numbers, e.g.  $6.4 - 4.6 = 1.8$ .
- ◆ Whoever makes the biggest difference scores 10 points.
- ◆ The person with the most points wins.

Play the game again, but this time score 10 points for the smallest difference, or 10 points for the biggest total.

### Finding areas and perimeters

*Perimeter = distance around the edge of a shape*  
*Area of a rectangle = length  $\times$  breadth (width)*

- ◆ Collect 5 or 6 used envelopes of different sizes.
- ◆ Ask your child to estimate the perimeter of each one to the nearest centimetre. Write the estimate on the back.
- ◆ Now measure. Write the estimate next to the measurement.
- ◆ How close did your child get?
- ◆ Now estimate then work out the area of each envelope.
- ◆ Were perimeters or areas easier to estimate? Why?

You could do something similar using an old newspaper, e.g.

- ◆ Work out which page has the biggest area used for photographs.
- ◆ Choose a page and work out the total area of news stories or adverts on that page.

**A Booklet for Parents**  
**Second Level**  
**(4)**

## Second Level (4)

### Children will learn to :

- Count, order, read and write whole numbers up to 10 000
- Know what the digits in a decimal number stand for, e.g. the 6 in 2.63 stands for 6 tenths and the 3 for 3 hundredths.
- Continue and describe more complex sequences, e.g. 1,1,2,3,5,8,13
- Find simple fractions, e.g.  $\frac{3}{4}$  of 200
- Add and subtract multiples of 10 mentally, e.g.  $120 + 130$
- Use pencil and paper to add and subtract big numbers, e.g.  $5792 + 8436$ ,  $13\ 912 - 5829$ .
- Know by heart all multiplication tables up to  $10 \times 10$ .
- Multiply and divide by 10 or 100, e.g.  $3427 \div 100$ ,  $543.6 \times 10$
- Use 24 hour times and link to 12 hour times.
- Draw and measure lines to the nearest millimetre.
- Work out the perimeter and area of a rectangle, e.g. the perimeter and area of a book cover measuring 25cm by 20cm.
- Solve word problems and explain their method.

### About the activities

These activities show some of the things your child should be able to do as they progress through second level.

An activity may be harder than it seems, e.g. a child may subtract 3994 from 9007 by writing it in columns, without realising it is quicker to count on from 3994 up to 9007 in his / her head.

### Fun activities to do at home

#### How much?

- ◆ While shopping, point out an item costing less than £1.
- ◆ Ask your child to work out in their head the cost of 3 items.
- ◆ Ask them to guess first. See how close they come.
- ◆ If you see any items labelled, for example, '2 for £3.50', ask them to work out the cost of 1 item for you, and to explain how they got the answer.



#### Times tables

Say together the six times table forwards, then backwards. Ask your child questions, such as:

Nine sixes?

How many sixes in 42?

Six times four?

Forty-eight divided by six?

Three multiplied by six?

Six times what equals sixty?

Repeat with the seven, eight and nine times tables.