

### 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.

# Helping your child with Maths



Year 5a

# Targets – Year 5

By the end of Year 5, most children should be able to...

- Multiply and divide any whole number up to 10 000 by 10 or 100.
- 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.
- Round numbers with 1 decimal place to the nearest whole number, e.g. 9.7 rounds up to 10, 147.2 rounds down to 147.
- Use division to find a fraction of a number, e.g. find one fifth by dividing by 5.
- Work out in their head the difference between two numbers such as 3994 and 9007.
- 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  $10 \times 10$ .
- Double numbers up to 100 in their heads.
- Use pencil and paper to multiply and divide, e.g.  $328 \times 4$ ,  $72 \times 56$ ,  $329 \div 6$ .
- 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 targets

These targets show some of the things your child should be able to do by the end of Year 5.

A target 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.