

Decimal number plates

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



- ◆ 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

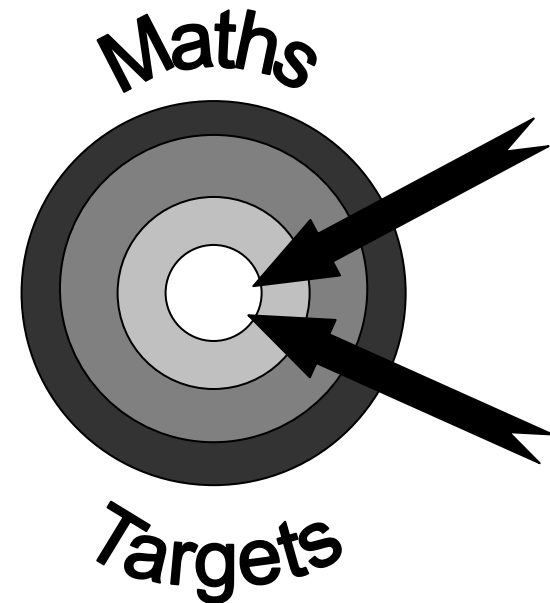
Perimeter = distance around the edge of a shape
Area of a rectangle = length x breadth (width)

- ◆ 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.

Targets for pupils in Year 5



A booklet for parents

Help your child with mathematics

Targets – Year 5

As a whole school we are focusing on reading scales.

The targets for children in Year 5 are:

1. I can accurately work out all marked points on a scale. I can fill in gaps on a scale when I have done this. This helps me to read measurements accurately.

2. I can work out what a reading is when it lies between two marked points on a scale.

3. I can compare readings from different scales.
I can give results to the required level of accuracy.

These suggestions may provide some starting points for at home:

Find out how many grapes together weigh between 155g and 160g.

Compare the capacities of different containers by filling them with water and then tipping the water into a measuring jug.

ICT Links

Use the internet to find more information about measures and scales.

Explore Measuring Cylinder and Measuring Scales ITPs at

<http://www.standards.dfes.gov.uk/primaryframeworks/library/Mathematics/ICTResources/itps/>

Ask your child to read and interpret the scale, or add quantities to make a certain amount.

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.

Target 1000

- ◆ Roll a dice 6 times.
- ◆ Use the six digits to make two three-digit numbers.
- ◆ Add the two numbers together.
- ◆ How close to 1000 can you get?

