Decimal number plates

- Each choose a car number plate with three digits.

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- 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.

Helping Your Child to Hit Their Maths Target



NEWTON PRIMARY SCHOOL

Year 5

Year 5

By the end of Year 5 the children should be able to…

- Read, write and compare numbers to 100 000
- Multiply and divide any whole and decimal numbers a by 10 or 100.
- Use pencil and paper to add and subtract whole and decimal numbers, e.g. 5792 + 8436, 13 912 – 5829 and 12.34 + 23.78, 32.67 – 18.89
- Know by heart all multiplication tables up to 10 x 10.
- Use pencil and paper to multiply and divide, e.g. 328 x 4, 72 x 56, 329 ÷ 6.
- Understand simple fraction and decimal equivalences, e.g.½ = 0.5, 1⁄10 = 0.1
- Calculate fractional quantities, e.g. 1⁄8 of 24 = 3, so 5⁄8 of 24 = 15
- Use a variety of measuring instruments and record using decimal notation, e.g. 4.2cm, 1.3kg
- Read and use analogue and digital clocks
- Measure and record temperatures involving positive and negative readings
- Work out the perimeter and area of a rectangle
- Use coordinates to specify location
- Understand and use information in lists, graphs, charts and tables.
- 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 the year 5. Please be aware that in line with the requirements of the new curriculum your child is taught at their stage of learning, which is based on their individual need.

Some targets may be more complex than they seem, e.g. children may know how to work out sums on paper but need to see when it is quicker to work them out in their heads.

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.