


How to help your child at home and have fun!

The National curriculum maths objectives for children in Year 5 are on the back of this leaflet.
Some targets are harder than they seem.
For example, a child may be able to subtract 3994 from 9007 by writing it in columns without realising it is quicker and more efficient to count on from 3994 up to 4000 and then to 9000 and finally to 9007 in their head.

## Maths in Year 5-Games to play:

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## How much

- Whilst out shopping, point out an item and ask your child how much 3 items would cost-they should estimate first then calculate to see how close their guess was. Check for any deals like 2 for $£ 3.50$ and ask them to calculate how much 1 is.


## Times tables

- Continue practicing ALL times tables up to $12 \times 12$; forwards backwards and with the associated division facts.

$$
5 \times 7=35 \quad 7 \times 5=35 \quad 35 \div 5=7 \quad 35 \div 7=5
$$

## Areas and perimeters

- Collect a selection of used envelopes. Estimate the perimeter of each one to the nearest cm and record it on the envelope. Now measure and calculate accurately-How close was the estimate? Do the same for estimating and calculating the area. Which was hardest to estimate? Why?
A



## Area $=\mathbf{A x B}$

Perimeter $=\mathbf{A}+\mathbf{B}+\mathbf{A}+\mathbf{B}$
B

## Dice subtractions

- Roll the dice and fill in the missing boxes $400 \square-399 \square$ Count on from the smaller to larger number eg: 4002-3994 = 8, so you score 8 points. Keep a running total and whoever reaches 50 points first wins.


## Target 1000

- Roll 6 numbers. Use them to make two 3 digit numbers. Add them together. How close to 1000 can you get?


## Line it up

- Use a ruler to draw 10 different straight lines on a piece of paper. Ask the child to estimate and write the estimate on each line. Give them the ruler to accurately measure each line to the nearest mm . Record the exact measurement under each line. Now ask the child to calculate the difference between the estimate and the actual measure. A difference of 5 mm or less earns 10 points. A difference of between 5 mm and 1 cm earns 5 points. The child can then draw lines for you. Whoever reaches 100 first wins.

```
Estimate = 8.5cm Score
5 points
Measurement \(=7.9 \mathrm{~cm}\)
```


## Guess my number

- Choose a number between 0 and 1 with 1 decimal place-eg: 0.7 Challenge the child to ask you questions in order to guess your number... Is your number smaller than a half? You can only answer Yes or No. Can they guess using less than 5 questions? Swap over and they choose a number. Extend the game by choosing numbers between 0 and $10 \ldots$ but you will need more questions.


## Times tables challenges

- Choose a times tables fact each day and work out other sums that can be calculated from it. Eg: What is $6 \times 8$ How can you use that knowledge to work out $12 \times 8$ etc?

