Line it up

You need a ruler marked in centimetres and millimetres.

- Use the ruler to draw 10 different straight lines on a piece of paper.
- Ask your child to estimate the length of each line and write the estimate on the line.
- Now give them the ruler and ask them to measure each line to the nearest millimetre.
- Ask them to write the measurement next to the estimate, and work out the difference.
- A difference of 5 millimetres or less scores 10 points. A difference of 1 centimetre or less scores 5 points.
- How close to 100 points can she get?

My estimate 8.5 cm

Guess my number

- Choose a number between 0 and 1 with one decimal place, e.g. 0.6.
- Challenge your child to ask you questions to guess your number. You may only answer 'Yes' or 'No'. For example, he could ask questions like 'Is it less than a half?'
- See if he can guess your number in fewer than 5 questions.
- Now let your child choose a mystery number for you to guess.

Extend the game by choosing a number with one decimal place between 1 and 10, e.g. 3.6. You may need more questions!
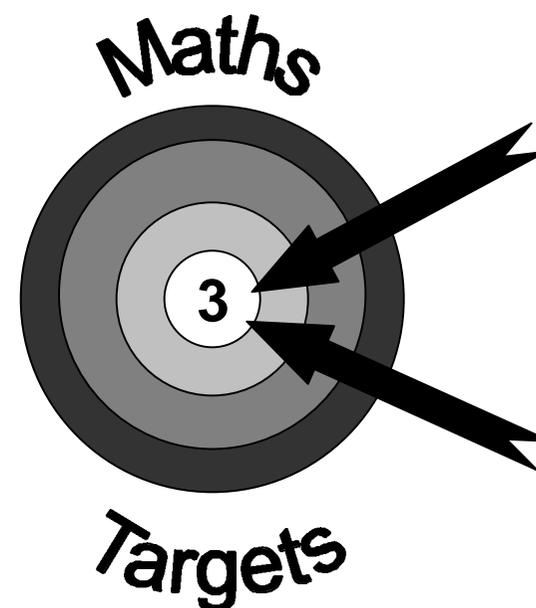
Times tables

Ask your child a different times-table fact every day,

e.g. *What is 6 times 8? Can you use this to work out 12 x 8?*

and: *What is 48 divided by 6?*

Targets for pupils in Year 5

Maths

3

Targets

A booklet for parents

Help your child with mathematics

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

④▯ Multiply and divide any whole number up to 10 000 by 10 or 100.

④ 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.

④ 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.

④ Use division to find a fraction of a number, e.g. find one fifth by dividing by 5.

④ Work out in their head the difference between two numbers such as 3994 and 9007.

④ Use pencil and paper to add and subtract big numbers, e.g. 5792 + 8436, 13 912 – 5829.

④ Know by heart all multiplication tables up to 10 x 10.

④ Double numbers up to 100 in their heads.

④ Use pencil and paper to multiply and divide, e.g. 328 x 4, 72 x 56, 329 ÷ 6.

④ Draw and measure lines to the nearest millimetre.

④ Work out the perimeter and area of a rectangle, e.g. the perimeter and area of a book cover measuring 25cm by 20cm.

④ Solve word problems and explain their method.

_____ is working on the targets that are ticked.

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.
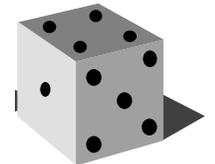
Fun activities to do at home

Car numbers

- Choose a car number.
- You may add or subtract 10, 20, 30, 40, 50, 60, 70, 80 or 90.
- Try to get as close as possible to 555.
- Who can get closest during a week?

Dicey division

For this game you need a 1–100 board (a snakes and ladders board will do), a dice and 20 coins or counters.

- Take turns.
- Choose a two-digit number. Roll a dice. If you roll 1, roll again.
- If your two-digit number divides exactly by the dice number, put a coin on your chosen two-digit number. Otherwise, miss that turn.
- The first to get 10 counters on the board wins.