


How to help your child at home and have fun!

The National curriculum maths objectives for children in Year 6 are on the back of this leaflet.
Some targets are harder than they seem.
For example, a child may be able to work out sums on paper but they need to be able to decide on the most efficient method. Using different strategies for working out calculations is a good way to more reliably check answers too.

## Maths in Year 6-Games to play:

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## Favourite food

- Ask your child to find the cost of their favourite food. Ask them to work out what 7 of them would cost. Repeat this with their least favourite. What is the difference in cost between the two amounts.


## Sale of the century

- When out (or in magazine and newspapers or even on the TV) look for sale signs and work out what some of the items would cost. Ask them to explain how they calculate: $50 \%$ off $25 \%$ off $10 \%$ off $5 \%$ off


## TV addicts

- Ask your child to keep a record of how long they watch TV or use a screen over a week, Then, work out the total watching time. Work out the mean average of time per day. Do the same with how much time they spend playing outside or eating meals.



## Four in a line

- Draw a $6 \times 7$ grid and fill it randomly with numbers between 1 and 100. Roll 3 dice (or one, 3 times) Use all numbers with any operations to try to make a number on the grid. So if you rolled a 3,4 and 5 you could make... $3 \times 4-5=7 \quad 54 \div 3=18 \quad(4+5) \times 3=27$ etc so you could cover the 7 or the 18 or the 27 . First to get 4 in a row wins.


## Fours

- Use exactly four 4s each time. You can $+-x$ or $\div$ How many of the numbers between 1 and 100 can you make-this will take several days to complete! Eg:


## Flowers

## Recipes

- Find a recipe for four people and rewrite it for 8 people. What about 2 people. Now can you work out how much of everything is needed for 3 people?


## 3 in a row

- You will need a calculator for this game. Draw a decimal number line. Take it in turns to choose a fraction. Use the calculator (if necessary) to convert the fraction into a decimal. Eg: $2 / 5=2 \div 5=0.4$ Mark it on the line and write your initials. The aim is to get 3 crosses in a row of your initials without someone else's cross getting in between.

- Think of a flower. Use an alphabet code $A=1 B=2$ etc Find the numbers for the first and last letters of your flower. Then multiply the numbers together. Whoever has the biggest answer wins the point eg:
ROSE $\quad R=18 \quad E=5 \quad 18 \times 5=90$ First to 10 wins. You could play using other categories like: animals, countries or football teams.


## Journeys

- Use a map or google maps to find the distances between cities. Eg: York to Preston is 90 miles. Ask the child to calculate how long it would take to drive there if you stuck to an average speed of 60 mph ie: 1 mile per minute. Encourage the use of the 6 times tables to help them work it out.


## Doubles and trebles

$1=(4 \times 4) \div(4 \times 4)$
$2=(4 \div 4)+(4 \div 4)$

- Roll 2 dice. Multiply the 2 numbers. This is your score. Roll again, If your total is even, double your score. If it is odd , treble it. The first to get over 301 wins.

