

TV addicts

Ask your child to keep a record of how long he / she watches TV each day for a week. Then ask him / her to do this.

Work out the total watching time for the week.

Work out the average watching time for a day (that is, the total time divided by 7).

Instead of watching TV, you could ask them to keep a record of time spent eating meals, or playing outdoors, or anything else they do each day. Then work out the daily average.

Four in a line

Draw a 6 x 7 grid. Fill it with numbers under 100.

- ◆ Take turns.
- ◆ Roll three dice, or roll one dice three times.
- ◆ Use all three numbers to make a number on the grid.
- ◆ You can add, subtract, multiply or divide the numbers, e.g. if you roll 3, 4 and 5, you could make $3 \times 4 - 5 = 7$,

$54 \div 3 = 18$, $(4 + 5) \times 3 = 27$, and so on.

- ◆ Cover the number you make with a coin or counter.
- ◆ The first to get four of their counters in a straight line wins.

Also encourage your child to visit our school website: -

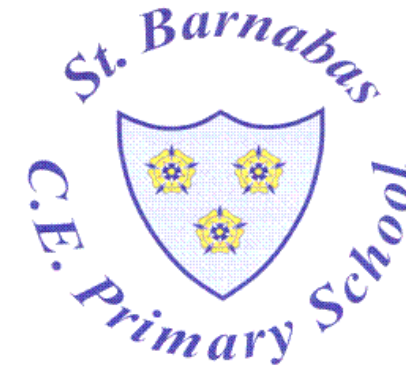
www.st-barnabas-primary.worcs.sch.uk

Our Year Six page has links to many Maths games on line. In addition the children can access Education City through our website. Education City has a wide breadth of Maths games. Also the children can Play Live with other children in school, a great resource to practise mental recall of number facts.

St. Barnabas C.E Primary School



Helping your child in Year 6



Inspire, Nurture, Achieve

A booklet for parents

Help your child with mathematics

Maths targets – Year 6

By the end of Year 6, most children should be able to...

- Know all tables to 10×10 , especially for division, e.g. $63 \div 7 = 9$, and quickly work out remainders.
- Multiply and divide decimals by 10 or 100 in their heads, e.g. 2.61×10 , $53.2 \div 100$.
- Put numbers, including decimals, in order of size, e.g. 1.06, 0.099, 0.25, 1.67.
- Use pencil and paper to add and subtract decimals, e.g. $3.91 + 8.04 + 24.56$, or $13.3 - 1.27$.
- Use pencil and paper to multiply and divide, e.g. 387×46 , 21.5×7 , $539 \div 13$, $307.6 \div 4$.
- Cancel fractions e.g. reduce $\frac{4}{20}$ to $\frac{1}{5}$, and work out which of two fractions is bigger, e.g. $\frac{7}{12}$ or $\frac{2}{3}$.
- Work out simple percentages of whole numbers, e.g. 25% of £90 is £22.50.
- Estimate angles and use a protractor to measure them.
- Work out the perimeter and area of simple shapes that can be split into rectangles.
- Solve word problems and explain their methods.
- Use co-ordinates to plot the position of points.
- Understand and use information in graphs, charts and tables.

Fun activities to do at home

Favourite food

- ◆ Ask your child the cost of a favourite item of food. Ask them to work out what 7 of them would cost, or 8, or 9. How much change would there be from £50?
- ◆ Repeat with his / her least favourite food. What is the difference in cost between the two?

Sale of the century

- ◆ When you go shopping, or see a shop with a sale on, ask your child to work out what some items would cost with:
 - 50% off
 - 25% off
 - 10% off
 - 5% off
- ◆ Ask your child to explain how she worked it out.

Remainders

Draw a 6×6 grid.

- ◆ Choose the 7, 8 or 9 times table.
- ◆ Take turns.
- ◆ Roll a dice.
- ◆ Choose a number on the board, e.g. 59. Divide it by the tables number, e.g. 7. If the remainder for $59 \div 7$ is the same as the dice number, you can cover the board number with a counter or coin.
- ◆ The first to get four of their counters in a straight line wins!

Card game

Use a pack of playing cards. Take out the jacks, queens and kings.

- ◆ Take turns.
- ◆ Take a card and roll a dice.
- ◆ Multiply the two numbers.
- ◆ Write down the answer. Keep a running total.
- ◆ The first to go over 301 wins!