

# Activities for pupils in Year 6

## 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.

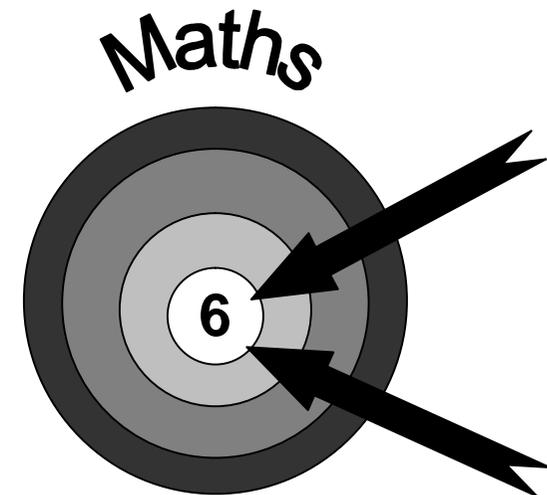
26	54	47	21	19	5	38
9	25	67	56	31	49	13
39	41	6	1	75	28	90
14	50	81	23	43	4	37
45	29	72	34	7	58	17
36	2	55	11	22	40	42

- ◆ 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.

## Rhymes

Make up rhymes together to help your child to remember the harder times-tables facts, e.g.

$6 \times 7 = 42$  phew!  $7 \times 7 = 49$  fine!  $6 \times 8 = 48$  great!



A booklet for parents

Help your child with mathematics

## Maths games

### Flowers

- ◆ Take turns to think of a flower.
- ◆ Use an alphabet code, A = 1, B = 2, C = 3... up to Z = 26.
- ◆ Find the numbers for the first and last letters of your flower, e.g. for a ROSE, R = 18, and E = 5.
- ◆ Multiply the two numbers together, e.g.  $18 \times 5 = 90$ .
- ◆ The person with the biggest answer scores a point.
- ◆ The winner is the first to get 5 points.
- ◆ When you play again you could think of animals, or countries.

### Fours

- ◆ Use exactly four 4s each time.
- ◆ You can add, subtract, multiply or divide them.
- ◆ Can you make each number from 1 to 100?
- ◆ Here are some ways of making the first two numbers.

$$1 = (4 + 4)/(4 + 4)$$

$$2 = 4/4 + 4/4$$

### 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.

### Doubles and trebles

- ◆ Roll two dice.
- ◆ Multiply the two numbers to get your score.
- ◆ Roll one of the dice again. If it is an even number, double your score. If it is an odd number, treble your score.
- ◆ Keep a running total of your score.

The first to get over 301 wins.

### 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?

#### Recipes

Find a recipe for 4 people and rewrite it for 8 people, e.g.

4 people

8 people

125g flour

250g flour

50g butter

100g butter

75g sugar

150g sugar

30ml treacle

60ml treacle

1 teaspoon ginger

2 teaspoons ginger

**Can you rewrite it for 3 people? Or 5 people?**