

### 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

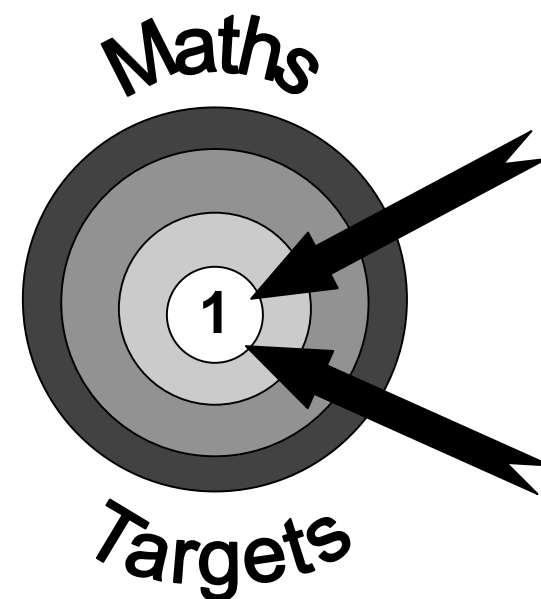
- ◆ Take turns.
- ◆ Roll three dice, or roll one dice three times.
- ◆ Use all three numbers to make a number on the grid.
- ◆ You can add, subtract, multiply or divide the numbers, e.g. if you roll 3, 4 and 5, you could make  $3 \times 4 - 5 = 7$ ,  $54 \div 3 = 18$ ,  $(4 + 5) \times 3 = 27$ , and 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!

# Targets for pupils



**A booklet for parents**

Help your child with mathematics

## Targets – Year 6

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

- Express one quantity as a percentage of another (e.g. express \$400 as a percentage of \$1000)
- Find equivalent percentages, decimals and fractions.
- Use knowledge of place value and multiplication facts to  $10 \times 10$  to derive related multiplication and division facts involving decimals (e.g.  $0.8 \times 7$ ,  $4.8 \div 6$ )
- Use efficient written methods to add integers and decimals.
- Use efficient written methods to subtract integers and decimals.
- Use efficient written methods to multiply integers and decimals by a one-digit integer.
- Use efficient written methods to divide integers and decimals by a one-digit integer.
- Use efficient written methods to multiply two-digit and three-digit integers by a two-digit integer.
- Visualise and draw on grids of different types where a shape will be after reflection.
- Visualise and draw on grids of different types where a shape will be after translations.
- Visualise and draw on grids of different types where a shape will be after rotation through  $90^\circ$  or  $180^\circ$  about its centre or one of its vertices.
- Select and use standard metric units of measure.
- Convert between units using decimals to two places (e.g. change 2.75 litres to 2750 ml, or vice versa)
- Solve problems by collecting, selecting, processing, presenting and interpreting data, using ICT where appropriate; draw conclusions and identify further questions to ask.

### About the targets

These targets show some of the things your child should be able to do by the end of Year 6.

Some targets may be more complex than they seem, e.g. children may know how to work out sums on paper but need to see when it is quicker to work them out in their heads.

### 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 \$1000?
- ◆ 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.