

### Looking around

Choose a room at home.  
Challenge your child to spot  
20 right angles in it.



### Dicey division

You each need a piece of paper. Each of you should choose five numbers from the list below and write them on your paper.

**5 6 8 9 12 15 20 30 40 50**

- ◆ Take turns to roll a dice. If the number you roll divides exactly into one of your numbers, then cross it out, e.g. you roll a 4, it goes into 8, cross out 8.
- ◆ If you roll a 1, miss that go. If you roll a 6 have an extra go.
- ◆ The first to cross out all five of their numbers wins.

### Sum it up

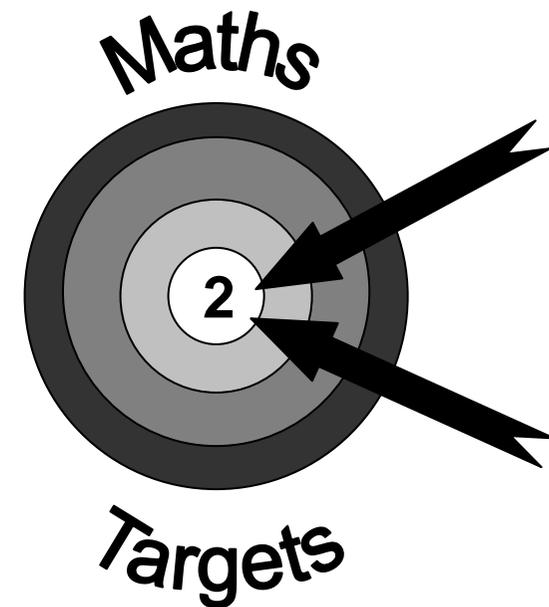
- ◆ Each player needs a dice.
- ◆ Say: *Go!* Then each rolls a dice at the same time.
- ◆ Add up all the numbers showing on your own dice, at the sides as well as at the top.
- ◆ Whoever has the highest total scores 1 point.
- ◆ The first to get 10 points wins.

### Out and about

- ◆ Choose a three-digit car number, e.g. 569.
- ◆ Make a subtraction from this, e.g.  $56 - 9$ .
- ◆ Work it out in your head. Say the answer.
- ◆ If you are right, score a point.
- ◆ The first to get 10 points wins.



# Targets for pupils in Year 4



**A booklet for parents**

Help your child with mathematics

## Targets – Year 4 <sub>2</sub>

By the end of Year 4, most children should be able to...

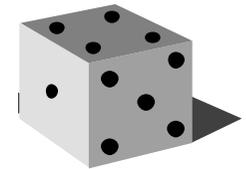
- Use diagrams to identify equivalent fractions (e.g.  $\frac{6}{8}$  and  $\frac{3}{4}$ , or  $\frac{70}{100}$  and  $\frac{7}{10}$ ); interpret mixed numbers and position them on a number line (e.g.  $3\frac{1}{2}$ )
- I can use a fraction to describe a part of a whole. I can show you on a diagram of a rectangle made from eight squares that one half is the same as two quarters or four eighths*
- Derive and recall multiplication facts up to  $10 \times 10$ , the corresponding division facts and multiples of numbers to 10 up to the tenth multiple
- I know my 8 times-table and my 9 times-table*
- Add or subtract mentally pairs of two-digit whole numbers (e.g.  $47 + 58$ ,  $91 - 35$ )
- I can add and subtract two-digit numbers in my head (e.g.  $26 + 47$ ,  $43 - 16$ )*
- Develop and use written methods to record, support and explain multiplication and division of two-digit numbers by a one-digit number, including division with remainders (e.g.  $15 \times 9$ ,  $98 \div 6$ )
- I can multiply and divide a two-digit number by a one-digit number*
- Know that angles are measured in degrees and that one whole turn is  $360^\circ$ ; compare and order angles less than  $180^\circ$
- I know that angles are measured in degrees. I know that a whole turn is 360 degrees or four right angles*
- Choose and use standard metric units and their abbreviations when estimating, measuring and recording length, weight and capacity; know the meaning of 'kilo', 'centi' and 'milli' and, where appropriate, use decimal notation to record measurements (e.g. 1.3 m or 0.6 kg)
- I can measure lengths, weights, and times to help me find out more about a question I am exploring*
- Answer a question by identifying what data to collect; organise, present, analyse and interpret the data in tables, diagrams, tally charts, pictograms and bar charts, using ICT where appropriate
- I can collect data and put it in a table to help me explore an idea and find out more about it*

### About the targets

These targets show some of the things children should be able to do by the end of Year 4.

A target may be more complex than it seems, e.g. children may be able to subtract 497 from 506 by writing it in columns without realising it is quicker to count on from 497 up to 506 in their heads.

### Fun activities to do at home



#### Dicey tens

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

- ◆ Take turns.
- ◆ Choose a two-digit number on the board e.g. 24.
- ◆ Roll the dice. If you roll a 6, miss that turn.
- ◆ Multiply the dice number by 10, e.g. if you roll a 4, it becomes 40.
- ◆ Either add or subtract this number to or from your two-digit number on the board, e.g.  $24 + 40 = 64$ .
- ◆ If you are right, put a coin on the answer.
- ◆ The first to get 10 coins on the board wins.

\_\_\_\_\_ is working on the targets that are ticked.