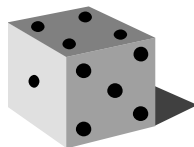


### Number game 3

Use three dice.

If you have only one dice, roll it 3 times.



- ◆ Make three-digit numbers, e.g. if you roll 2, 4 and 6, you could make 246, 264, 426, 462, 624 and 642.
- ◆ Ask your child to round the three-digit number to the nearest multiple of 10. Check whether it is correct, e.g.  
76 to the nearest multiple of 10 is 80.  
134 to the nearest multiple of 10 is 130.  
(A number ending in a **5** always **rounds up**.)
- ◆ Roll again. This time round three-digit numbers to the nearest 100.

### Tables

Practise the 3x, 4x and 5x tables. Say them forwards and backwards.

Ask your child questions like:

What are five threes?

What is 15 divided by 5?

Seven times three?

How many threes in 21?

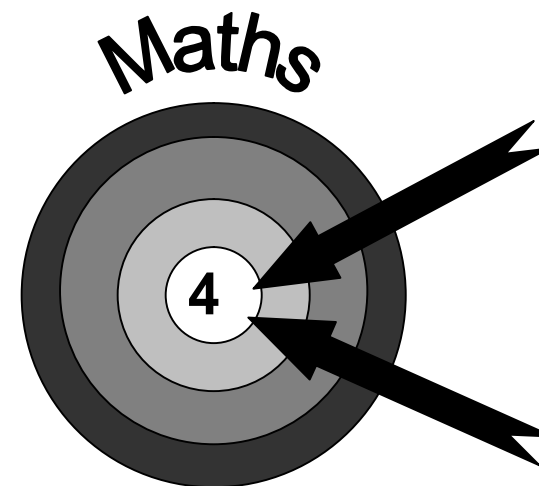
$$8 \times 3 = 24 \quad 24 \div 3 = 8$$

### Measuring

Use a tape measure that shows centimetres.

- ◆ Take turns measuring lengths of different objects, e.g. the length of a sofa, the width of a table, the length of the bath, the height of a door.
- ◆ Record the measurement in centimetres, or metres and centimetres if it is more than a metre, e.g. if the bath is 165 cm long, you could say it is 1m 65cm (or 1.65m).
- ◆ Write all the measurements in order.

# Activities for pupils in Year 4



A booklet for parents

Help your child with mathematics

## Maths games

### 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.

### Pairs to 100

This is a game for two players.

- ◆ Each draw 10 circles. Write a different two-digit number in each circle – but not a 'tens' number (10, 20, 30, 40...).
- ◆ In turn, choose one of the other player's numbers.
- ◆ The other player must then say what to add to that number to make 100, e.g. choose 64, add 36.
- ◆ If the other player is right, she crosses out the chosen number. The first to cross out 6 numbers wins.

## Fun activities to do at home

### Number game 1

You need about 20 counters or coins.

- ◆ Take turns. Roll two dice to make a two-digit number, e.g. if you roll a 4 and 1, this could be 41 or 14.
- ◆ Add these two numbers in your head. If you are right, you win a counter. Tell your partner how you worked out the sum.
- ◆ The first to get 10 counters wins.

Now try subtracting the smaller number from the larger one.

### Number game 2

- ◆ Put some dominoes face down.
- ◆ Shuffle them.
- ◆ Each choose a domino.
- ◆ Multiply the two numbers on your domino.
- ◆ Whoever has the biggest answer keeps the two dominoes.
- ◆ The winner is the person with the most dominoes when they have all been used.

