

## **Useful websites**

[www.topmarks.co.uk/maths/games/daily10](http://www.topmarks.co.uk/maths/games/daily10) (lots of different area of maths)

[www.mathsframe.co.uk/en/resources/playgame/37](http://www.mathsframe.co.uk/en/resources/playgame/37)  
(placing whole numbers, fractions and decimals on a number line)

[http://www.math-play.com/Place-Value-Millionaire/place-value-millionaire-game\\_html5.html](http://www.math-play.com/Place-Value-Millionaire/place-value-millionaire-game_html5.html)

## **Useful Apps**

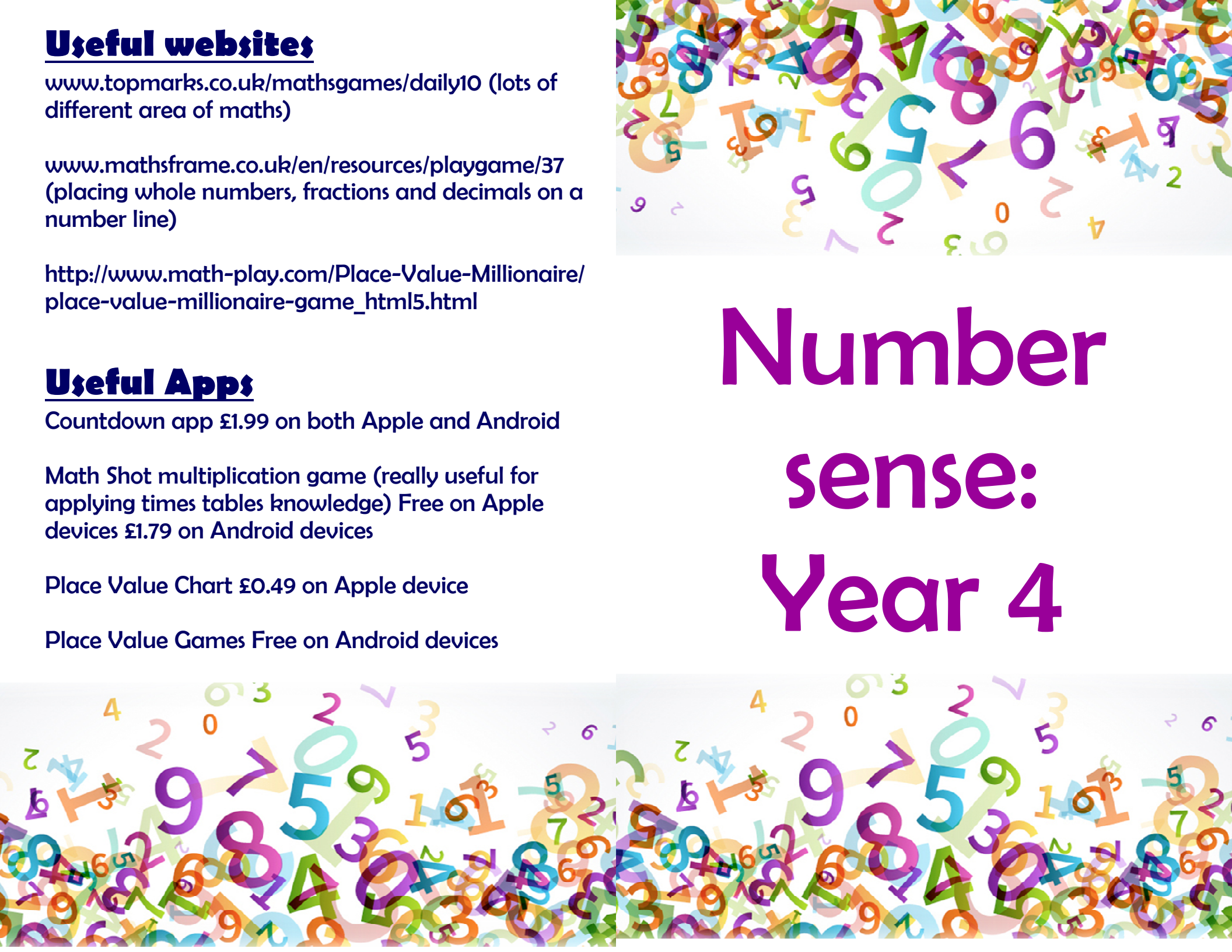
Countdown app £1.99 on both Apple and Android

Math Shot multiplication game (really useful for applying times tables knowledge) Free on Apple devices £1.79 on Android devices

Place Value Chart £0.49 on Apple device

Place Value Games Free on Android devices

# Number sense: Year 4



## **Times Tables**

Times tables support the whole maths curriculum and most children know them by rote. However many children find it difficult to apply their times tables to other problems due to their lack of number sense.

For example:

$126 \times 4 =$  \_\_\_\_\_. If you know  $12 \times 4$  and  $6 \times 4$ , you can then use this to calculate  $126 \times 4 = 504$ . Others would choose to find  $126 \times 2$  twice.

### **Activities that can support this include:**

- Card games (turn over 3 number cards for a 2 digit x 1 digit calculation)
- Countdown either with number cards or there's an app for £1.99 for both Apple and android devices

## **Number Lines**

The use of number lines helps children to develop an understanding of the size of numbers, as well as relationships between whole numbers, fractions and decimals.

### **Activities that can support this include:**

- Missing numbers on number lines (at different intervals, numbers increasing by 0.1, 1, 5, 10 etc).
- Completing number lines with different combinations of whole numbers, decimals and fractions (e.g. 0.5 OR  $\frac{5}{10}$  OR  $\frac{1}{2}$ )

## **Place Value**

Understanding the value of each digit in a number is a fundamental part of children's number sense. It can help children when problem solving, as well as enabling them to check if their answers are realistic.

### **Activities that can support this include:**

- Card games (lay out a set of number cards, children identify the value of each digit)
- I'm thinking of a number, it has... 4 hundreds, 6 ones and 8 tens. Write down / say my number.
- Building a number from cubes/ tens, ones and hundreds.

