

# Place Value, Addition and Subtraction Unit 1

## Short Mental Workouts

*The short activities suggested below do not have to be done at the beginning of your maths lesson. They are suitable for doing at any time of the day to provide ongoing revision of important mental and oral skills.*

*While there probably is not time during your maths lesson for these activities, it is crucial to regularly rehearse these skills. You decide when to use them, perhaps at the beginning of the day for 'morning maths', as you line up for lunch, or as a 'brain-break' during the afternoon.*

*If an image is suggested, you can find it on the sheet(s) below and/or use the link (beginning <https://wrht.org.uk/...>) to find it, and other related generic materials.*

### Day 1

#### **Double 2-digit numbers**

Throw a soft ball to a child and say a 2-digit number. They throw it back as they say double that number. Differentiate by choosing a few numbers less than 50, but mostly greater than 50.

### Day 2

#### **Count on/back in 10s, 100s, 1000s and 10,000s from 5-digit numbers**

Working in pairs, children start by writing 45,378 on their whiteboards. They count on in 10s, recording each number until they have written five more numbers. Write 45,428. *Was this the last number you wrote?* If so, they earn a point. Repeat counting back in 100s from 45,378, on in 1000s and on in 10,000s. Which pairs scored 4 points?

### Day 3

#### **Place value in 6-digit numbers**

Children use the digits 2, 3, 4, 5, 6 and 7 to make five 6-digit numbers and write them on their whiteboards. *Ring a number where 6 is worth 60,000.* Repeat for a number where 3 is worth 3000, then a number where 4 is worth 400. Repeat for other numbers and digits in a similar way. The first child to ring all 5 numbers is the winner.

### Day 4

#### **Add and subtract near multiples of 10, 100 and 1000 to/from 4-digit numbers**

Write on the board 2357 and 4178 in one set, and 29, 51, 198, 203, 1997 in the second set. Explain that children choose a number in the first set and add or subtract a number from the second set. Challenge children to work in pairs to complete as many additions and subtractions as they can in the time you choose (there are 20 possible calculations).