

# Unit 12

## Problem solving and efficient methods



In this unit we will ...

- ⚡ Compare ways of calculating
- ⚡ Use mental addition and subtraction
- ⚡ Look for the most efficient way to solve a problem
- ⚡ Use number facts to solve problems
- ⚡ Solve word problems using all four operations

|    |    |    |    |    |    |    |    |    |     |
|----|----|----|----|----|----|----|----|----|-----|
| 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10  |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20  |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30  |
| 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40  |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50  |
| 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60  |
| 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70  |
| 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80  |
| 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90  |
| 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |

We will use a 100 square to help us. What is 22 more than 46?



We will need some maths words. Have you heard any of these before?

number facts

calculate mentally

bar model

partition

number line

part-whole model

100 square

We can use a bar model to help us add, subtract, multiply and divide. Can you use this bar model to calculate  $17 + \square = 40$ ?

|    |   |
|----|---|
| 40 |   |
| 17 | ? |

