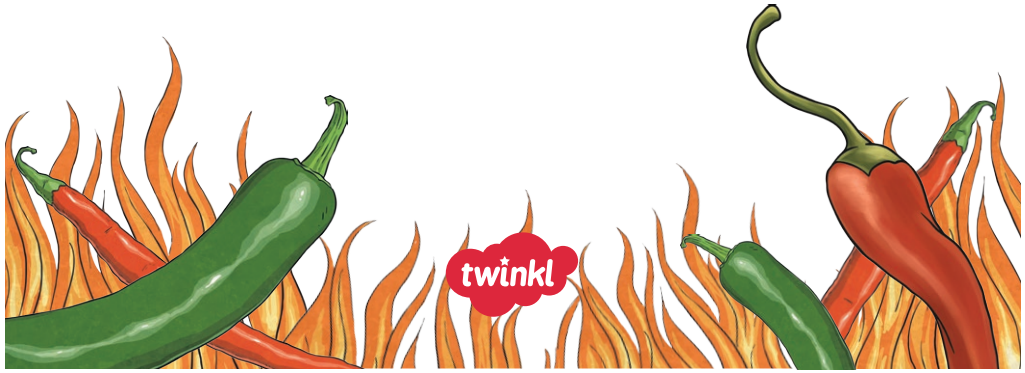
Chilli Challenge

Addition, Subtraction, Multiplication and Division



Calculating

Estimate the answer to a calculation and use inverse operations to check answers

What calculation could you use to estimate:

72 + 63 =

47 - 18 =

What calculation would you use to check:

82 – 45 = 37

Solving Problems

Solve problems, including missing number problems, using number facts and place value

Complete the calculation: _____1 + 3_____ = 57

A number has two digits and is a multiple of five. The total of the digits is nine.

What could the number be?

Solving Problems

Solve problems, including missing number problems, involving multiplication and division

Complete the calculation: _____ × 5 = 45

Three boxes of pencils contain 36 pencils.

How many pencils will there be in each box?

Methods

Add and subtract numbers with support of models or images, **including:**

- **a three-digit number and ones**
- **a three-digit number and tens**
- **a three-digit number and hundreds;**

134 + 3 =	276 – 5 =
246 + 30 =	128 – 40 =
509 + 300 =	641 – 200 =

Addition, Subtraction, Multiplication and Division Nice and Spicy!

Methods

Add and subtract numbers with up to three digits, using simple formal written methods of columnar addition and subtraction

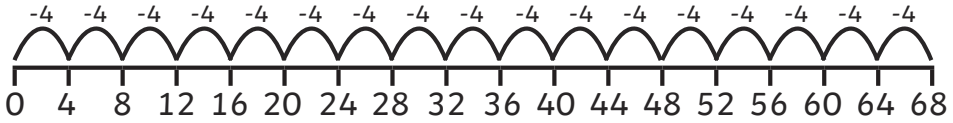
$$\begin{array}{r} 424 \\ +\ 63 \\ \hline \end{array} \qquad \begin{array}{r} 197 \\ -\ 44 \\ \hline \end{array}$$

Addition, Subtraction, Multiplication and Division Nice and Spicy!

Methods

Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using the support of models and images

68 ÷ 4 =



Addition, Subtraction, Multiplication and Division Nice and Spicy!

Number Facts

Recall and use multiplication and division facts for the three and four multiplication tables

8 × 3 =	32 ÷ 4 =
6 × 4 =	27 ÷ 3 =
7 × 3 =	48 ÷ 4 =
8 × 4 =	24 ÷ 4 =
4 × 9 =	18 ÷ 3 =

Calculating

Estimate the answer to a calculation and use inverse operations to check answers

Which calculation could you use to estimate:

292 + 163 =

207 - 87 =

Which calculation would you use to check:

382 – 45 = 337

Number Facts

Recall and use multiplication and division facts for the three and four and eight multiplication tables

8 × 3 =	32 ÷ 4 =
6 × 4 =	27 ÷ 3 =
7 × 3 =	48 ÷ 8 =
8 × 8 =	24 ÷ 4 =
4 × 9 =	72 ÷ 8 =

Solving Problems

Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction

Complete the calculation: 2_____1 + _____37 = 41_____

A number has three digits and is a multiple of five. All the digits are odd and the total of the digits is nine. What could be the number?

Solving Problems

Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects

Complete the calculation: _____7 × 5 = 18_____

Three boxes contain 15 tennis balls. How many balls will there be in two boxes?

Methods

Add and subtract numbers mentally, including:

- **a three-digit number and ones**
- **a three-digit number and tens**
- **a three-digit number and hundreds;**

134 + 3 =	276 – 5 =
246 + 30 =	128 – 40 =
509 + 300 =	641 – 200 =

Methods

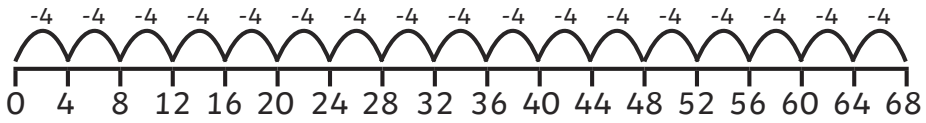
Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction

$$\begin{array}{r} 484 \\ +\ 67 \\ \hline \end{array} \qquad \begin{array}{r} 197 \\ -\ 48 \\ \hline \end{array}$$

Methods

Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods

68 ÷ 4 =



Calculating

Estimate the answer to a calculation and use inverse operations to check answers

Explain why you might use 300 + 150 as an estimate of 292 + 163 =

What would you use to estimate 207 - 87 = and explain your reasoning.

Explain with an example why you can use an inverse calculation to

Number Facts

Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables

8 × 30 =	320 ÷ 4 =
60 × 4 =	27 ÷ 3 =
7 × 300 =	480 ÷ 80 =
80 × 80 =	2400 ÷ 4 =
400 × 9 =	720 ÷ 8 =

Solving Problems

Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction

Complete the calculation: 1 _____ + 3 _____7 = 4 _____

A number has three digits, is greater than 500 and is a multiple of three. All the digits are even, none repeat and there are no 0s. The number of hundreds is equal to the number of tens and ones. What could be the number?

Solving Problems

Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects

Complete the calculation, writing an explanation of how you found the missing digits:

_____7 × 8 = 29 _____

Seven bags of apples contain 56 apples. How many apples will there be in three bags of apples?

Methods

Add and subtract numbers mentally, including:

- **a three-digit number and ones**
- **a three-digit number and tens**
- **a three-digit number and hundreds;**

Count forwards or backwards fluently from any three-digit number in ones, tens or hundreds

Addition, Subtraction, Multiplication and Division Burning Up!

Methods

Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction

Write an explanation of columnar addition or subtraction using an example.

Addition, Subtraction, Multiplication and Division Burning Up!

Methods

Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and formal written methods

85 × 6 =

80 × 6 = 480

$$\begin{array}{r} 85 \\ \times\ 6 \\ \hline \end{array}$$