Calculation Mat

Mrs Tyler's maths group

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 check a subtraction.

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 =

Solve 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?

624 or 642

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

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.

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

$$\begin{array}{r} {}^{3}8\,5 \\ \times \quad 6 \\ \hline \mathbf{5\,1\,0} \end{array}$$