

Maths- Skills

This lesson will be live on teams for
your class at;

9am-5L

10am-5H

11am-5M

Learning objective; To add more than 2 numbers using the formal
method.

Warm up - countdown

Using the numbers in the blue boxes **once**, can you add, subtract, multiply or divide to get as close to the large number as possible.

A digital display shows the number 945. To its right is a red square icon. Below the display are six blue boxes containing the numbers 50, 8, 9, 5, 4, and 100.

A digital display shows the number 729. To its right is a red square icon. Below the display are six blue boxes containing the numbers 8, 7, 25, 6, 100, and 2.

Play some more at;

<http://happysoft.org.uk/countdown/numgame.php>

Remind me how to use the column addition method.....

- Examples with MR L on the board. If you have missed the lesson, take a look at this help sheet.

Addition: Column Method

<p>1</p> $\begin{array}{r} 453 \\ +348 \\ \hline \\ \hline \end{array}$	<p>2</p> $\begin{array}{r} 453 \\ +348 \\ \hline 1 \\ \hline \end{array}$	<p>3</p> $\begin{array}{r} 453 \\ +348 \\ \hline 1 \\ \hline 1 \end{array}$
<p>Place the numbers one on top of the other, lining up the hundreds, tens and ones.</p>	<p>Add the ones and write the answer</p>	<p>Regroup any tens under the tens column.</p>
<p>4</p> $\begin{array}{r} 453 \\ +348 \\ \hline 01 \\ \hline 1 \end{array}$	<p>5</p> $\begin{array}{r} 453 \\ +348 \\ \hline 801 \\ \hline 11 \end{array}$	<p>6</p> $\begin{array}{r} 453 \\ +348 \\ \hline 801 \\ \hline 11 \end{array}$
<p>Add the tens including any tens you have regrouped. Regroup any hundreds under the hundreds column.</p>	<p>Add the hundreds including any hundreds you have regrouped.</p>	<p>Check your answer.</p>

Reasoning- Missing digits

Lets use our understanding around column addition to find the missing digits.

The trick is to use the inverse operation, but don't forget to look in the column to the right, there might have been some carrying

1.

$$\begin{array}{r} 1 \square 5 9 \\ + \quad 4 8 8 \\ \hline 1 7 4 7 \\ \hline \end{array}$$

2.

$$\begin{array}{r} 7 6 3 7 \\ + \quad 1 \square 9 \\ \hline 7 7 7 6 \\ \hline \end{array}$$

3.

$$\begin{array}{r} 9 4 3 \square \\ + \quad \square 7 7 \\ \hline 1 0 1 1 5 \\ \hline \end{array}$$

Fluency

$$\begin{array}{r} 1 \quad 9836 \\ 1012 \\ + 9278 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 2 \quad 2547 \\ 7999 \\ + 7808 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 3 \quad 3191 \\ 4613 \\ + 9695 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 4 \quad 7133 \\ 1038 \\ + 5556 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 5 \quad 4419 \\ 2074 \\ + 2077 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 6 \quad 5706 \\ 5292 \\ + 6311 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 7 \quad 2105 \\ 7059 \\ + 6434 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 8 \quad 5331 \\ 4051 \\ + 5656 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 9 \quad 6464 \\ 1380 \\ + 5044 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 10 \quad 6533 \\ 9498 \\ + 8089 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 11 \quad 1259 \\ 7217 \\ + 7831 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 12 \quad 5086 \\ 7459 \\ + 3149 \\ \hline \\ \hline \end{array}$$

Plenary- subtraction reminder

Tomorrows lesson will focus on subtracting- while we are together lets remind ourselves of how to use the column subtraction method.

Answers

question	answer
1	20126
2	18354
3	17499
4	13727
5	8570
6	17309
7	15598
8	15038
9	12888
10	24120
11	16307
12	15694