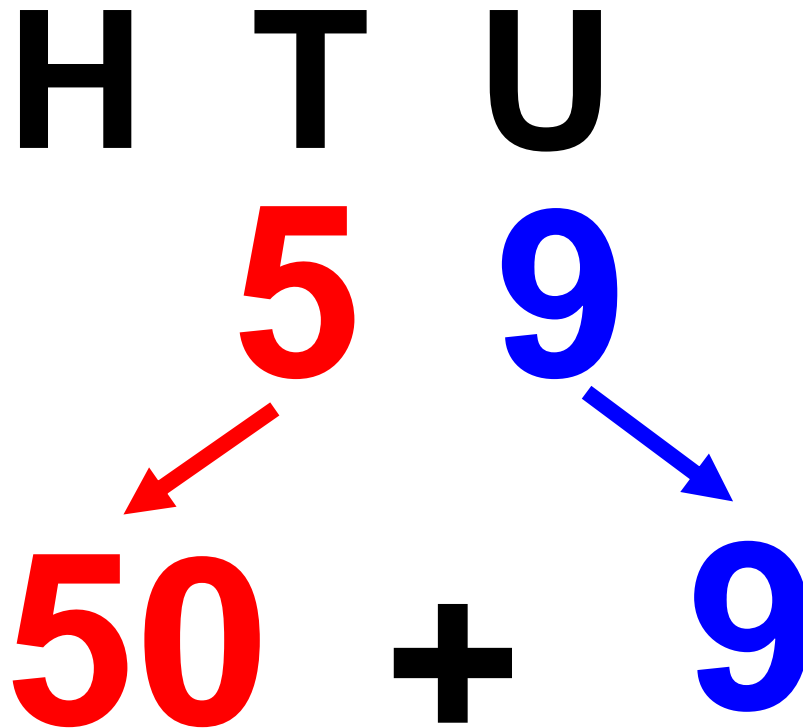


Column Method for Addition

LO: To be able to use column method for addition.

Partitioning



5 lots of tens

9 lots of ones

Partition these numbers!

64

98

143

7458

127

458

Your turn

$$\begin{array}{r} \text{a) } 56 \\ +23 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \text{b) } 72 \\ +11 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \text{c) } 59 \\ +45 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \text{d) } 32 \\ +32 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \text{e) } 10 \\ +44 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \text{f) } 54 \\ +32 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \text{g) } 99 \\ +21 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \text{h) } 43 \\ +21 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \text{i) } 21 \\ +89 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \text{j) } 58 \\ +37 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \text{k) } 98 \\ +15 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \text{l) } 48 \\ +21 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \text{m) } 33 \\ +14 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \text{n) } 32 \\ +11 \\ \hline \\ \hline \end{array}$$

Think!

What methods do you already know for working out addition problems?

To solve $35 + 23$, what method would you use?

Steps to success

- 1) Place the digits in the correct column.
- 2) Show the addition and equal sign.
- 3) Add the units column first.
- 4) Add the tens column.
- 5) Add the hundreds column.

Column method for addition

$$26 + 13 =$$

H	T	U
	2	6
+	1	3
<hr/>		
	3	9
<hr/>		

1. Place the digits in the correct column.
2. Show the addition and equal sign.
3. Add the units column first.
4. Add the tens column.

154 + 135 = ...

	H	T	U
	1	5	4
+	1	3	5
<hr/>			
	2	8	9
<hr/>			

1. Place the digits in the correct column.
2. Show the addition and equal sign.
3. Add the units column first.
4. Add the tens column.
5. Add the hundreds column.

Your turn!

$$45 + 34 =$$

$$145 + 122 =$$

1. Place the digits in the correct column.
2. Show the addition and equal sign.
3. Add the units column first.
4. Add the tens column.
5. Add the hundreds column.

$$28 + 34 = \dots$$

H T U

2 8

+ 3 4

6 2

1

1. Place the digits in the correct column.
2. Show the addition and equal sign.
3. Add the units column first.
4. Carry into the tens column underneath the bottom line if you need to.
5. Add the tens column.

$$273 + 128 = \dots$$

	H	T	U
	2	7	3
+	1	2	8
<hr/>			
	3	9	1
<hr/>			
		1	

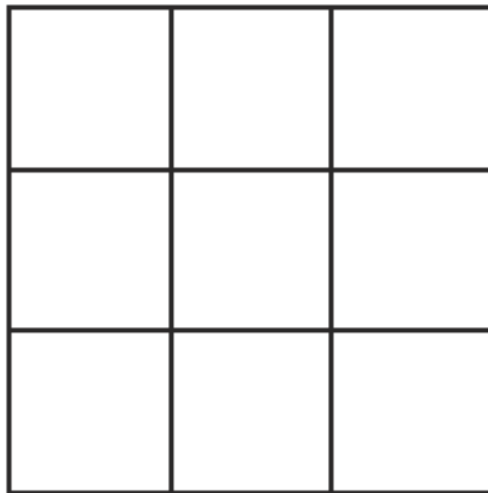
1. Place the digits in the correct column.
2. Show the addition and equal sign.
3. Add the units column first.
4. Carry into the tens column underneath the bottom line.
5. Add the tens column.
6. Add the hundreds column.

What you need to do

- Solve the sums and show your working outs in your maths book.
- Use the steps to success to help you.
- If you are finished... try the 1-2-3 Magic Square.

Extension activity: 1- 2 - 3 Magic Square

Arrange three 1's, three 2's and three 3's in this square so that every row, column and diagonal adds to the same total.



1 1 1 2 2 2 3 3 3

Plenary

Apply column method for
addition to this:

$$3452 + 416 + 23 = \dots$$

Th **H** **T** **U**

Your turn

- $214 + 326 =$
- $359 + 521 =$
- $212 + 626 =$
- $958 + 652 =$
- $625 + 621 =$