

Maths

Today, we are going to use a different method to add two 3-digit numbers - expanded column addition.

Here is an example of how expanded column addition is used:


First, you expand out the numbers being added together.

Then, add together the numbers in the different place value columns (Units, Tens and then Hundreds). This gives you the expanded numbers under the addition line which will become your 3-digit answer.

Finally, you combine and contract your expanded 3-digit answer to end up with a 3-digit number which is your final answer.

Expanded column addition

$$\begin{array}{r} \text{H T U} \quad \text{T H U} \\ 426 + 155 = 581 \end{array}$$

$$\begin{array}{r} \text{H} \qquad \qquad \text{T} \qquad \text{U} \\ 400 \qquad 20 \qquad 6 \\ 100 \qquad 50 \qquad 5 \\ + \qquad \qquad 10 \\ \hline 500 \qquad 80 \qquad 1 \end{array}$$


Then combine and contract this expanded answer:

581

Now, in your home learning book, copy and complete the questions below using the expanded column method.

1. $643 + 283 =$
2. $428 + 347 =$
3. $578 + 237 =$
4. $573 + 259 =$
5. $643 + 278 =$
6. $345 + 186 =$
7. $281 + 163 + 392 =$
8. $267 + 175 + 129 =$
9. $392 + 354 + 216 =$
10. $481 + 354 + 183 =$