

Standard written method for addition of two 3-digit numbers (2) page 1

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Addition of two 3-digit numbers is usually done on paper, using the following standard method:

$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{U} \\ 278 \\ \underline{546} \end{array}$$

The method is to add the units first, put the units in the answer, and 'carry' the ten into the tens column. Then add the tens and continue in the same way into the hundreds. So, the steps are:

Step 1: **add the units**

$$8 + 6 = 14$$

Put the 4 in the units below the question.

Then place the one ten below the answer in the tens column.

$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{U} \\ 278 \\ \underline{546} \\ \quad 4 \\ \hline \quad 1 \end{array}$$

Step 2: **add the tens**

$$7 \text{ (tens)} + 4 \text{ (tens)} + 1 \text{ (ten)} = 12 \text{ (tens)}$$

Place the 2 (tens) in the tens column and the 1(hundred) in the hundreds column below the answer.

$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{U} \\ 278 \\ \underline{546} \\ \quad 24 \\ \hline \quad 11 \end{array}$$

Step 3: **add the hundreds**

$$2 \text{ (hundreds)} + 5 \text{ (hundreds)} + 1 \text{ (hundred)} = 8 \text{ (hundreds)}$$

Place the 8 (hundreds) in the hundreds column.

Note: there may not always be tens or hundreds to carry.

$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{U} \\ 278 \\ \underline{546} \\ 824 \\ \hline 11 \end{array}$$

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1. H T U
 1 3 9
+ 4 4 5

2. H T U
 1 4 4
+ 5 5 7

3. H T U
 3 3 7
+ 2 0 7

4. H T U
 3 3 7
+ 4 8 6

5. H T U
 6 0 6
+ 3 8 9

6. H T U
 2 8 4
+ 6 5 8

7. H T U
 4 2 7
+ 6 8 3

8. H T U
 3 2 8
+ 5 7 2

9. H T U
 3 5 7
+ 4 5 9

10. H T U
 3 6 6
+ 4 8 6

11. H T U
 3 2 5
+ 5 7 9

12. H T U
 3 2 9
+ 5 8 3

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Answers

1. 584 2. 701 3. 544

4. 823 5. 995 6. 942

7. 1110 8. 900 9. 816

10. 852 11. 904 12. 912