## Discussion Problems

## Step 1: Add and Subtract Multiples of 100

## National Curriculum Objectives:

Mathematics Year 3: (3C1) Add and subtract numbers mentally, including: a three-digit number and ones; a three-digit number and tens; a three digit number and hundreds

## About this resource:

This resource has been designed for pupils who understand the concepts within this step. It provides pupils with more opportunities to enhance their reasoning and problem solving skills through more challenging problems. Pupils can work in pairs or small groups to discuss with each other about how best to tackle the problem, as there is often more than one answer or more than one way to work through the problem.

There may be various answers for each problem. Where this is the case, we have provided one example answer to guide discussion.

We recommend self or peer marking using the answer page provided to promote discussion and self-correction.

## More Year 3 Addition and Subtraction resources.

Did you like this resource? Don't forget to review it on our website.

## Add and Subtract Multiples of 100

1. Complete the calculation using the representations below. Explore different combinations which make a maximum total of 1,000 .


DP
2. Has Jonah matched these loop cards correctly?

Prove it.

| $300+$ <br> 100 | 800 |
| :---: | :---: |


| $200+$ <br> 400 | 400 |
| :---: | :---: |


| 300 | $100+$ <br> 100 |
| :--- | :--- |


| 500 | $200+$ <br> 200 |
| :---: | :---: |


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## Add and Subtract Multiples of 100

1. Complete the calculation using the representations below. Explore different combinations which make a maximum total of 1,000 . Various answers, for example:

2. Has Jonah matched these loop cards correctly?

Prove it.

| $200+$ | 400 |
| :---: | :---: |
| 400 |  |


| $300+$ |
| :---: | :---: |
| 100 |$\quad 800$


| $900-$ <br> 100 | 900 |
| :---: | :---: |$\quad$| $500+$ |
| :---: | :---: |
| 400 | 1,000



Jonah has not arranged them correctly. Accept any answer which correctly orders the loop cards.

