## Year $5 \mid$ Autumn Term | Week 4 to 5 - Number: Addition \& Subtraction

## Add More than 4-digits

## Reasoning and Problem Solving

Amir is discovering numbers on a
Gattegno chart.
He makes this number.

| 1 | 2 | 3 | 4 | 0 | 6 | 7 | 8 | 9 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 10 | 20 | 30 | 40 | 50 | $\square$ | 70 | 80 | 90 |
| 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 |
| 1000 | 2000 | 3000 |  | 5000 | 6000 | 7000 | 8000 | 9000 |
| 10000 | 20000 | 30000 | 40000 | 50000 | $\square$ | 70000 | 80000 | 90000 |

Amir moves one counter three spaces on a horizontal line to create a new number.

When he adds this to his original number he gets 131,130

Which counter did he move?

Work out the missing numbers.


## Subtract More than 4-digits

Reasoning and Problem Solving


## Inverse Operations

## Reasoning and Problem Solving



## Multi-step Problems

## Reasoning and Problem Solving



## Year $6 \mid$ Autumn Term | Week 3 to 6 - Number: Four Operations

## Add \& Subtract Integers

## Reasoning and Problem Solving



Here is a bar model.

| $A$ | $B$ |
| :---: | :---: |
| 631,255 |  |

A is an odd number which rounds to 100,000 to the nearest ten thousand. It has a digit total of 30
$B$ is an even number which rounds to 500,000 to the nearest hundred thousand.
It has a digit total of 10
$A$ and $B$ are multiples of 5 .

What are possible values of $A$ and $B$ ?

