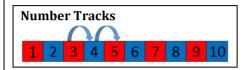
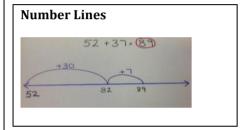
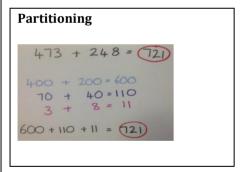
**Addition:** *finding the total by combining two or more numbers/amounts.* 

Early skills Visual Mental Written Noticing calculations







# Compensation/constant difference

138 + 59 could be changed to 137+ 60

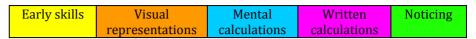
#### **Vocabulary**

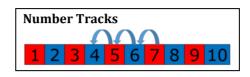
Add

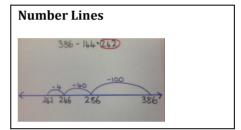
Total
Sum
Altogether
More
More than?
Plus
Increase
How many more?
Double
Inverse

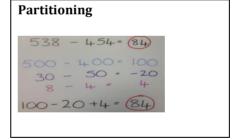


**Subtraction:** taking away or finding the difference.









## Compensation/constant difference

119 – 89 could be changed to 120 - 90

#### **Vocabulary**

Subtract
Take away
Difference
Leave
Fewer than?
Minus
Decrease
How many left?
Halve
Half
Inverse

#### Multiplication: repeated addition or scaling.

Early skills	Visual	Mental	Written	Noticing
	representations	calculations	calculations	

### **Division:** *grouping or sharing.*

Early skills	Visual Mental		Written	Noticing
	representations	calculations	calculations	

#### **Grouping through Number** Lines

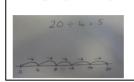


**Grouping through Arrays** 

#### Vocabulary

Lots of Groups of Times Multiply Multiple Factor Product Repeated Addition Array Row Inverse

#### **Grouping through Number Lines**

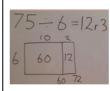




#### **Grouping through Arrays**



#### **Grouping through Grids**



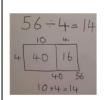
#### **Vocabulary**

Divide

Division Factor Halve Share Group Divided by Divided into Divisible by Remainder Left over Quotient

Inverse

#### **Grouping through Grids**



3×7=21

#### **Using multiples and factors**

Use multiples to solve 30 x 700 Use factors to solve 18 x 20



#### Using multiples and factors

Use multiples to solve 222/3 Use factors to solve 96/6

