## Knowledge Organiser - Maths

## Key Facts - Place Value

Place value is the value of each digit in a number. It means understanding that 582 is made up of 500,80 and 2, rather than 5, 8 and 2.


Key Facts - Addition and Subtraction

3 digit and 1 digit numbers
Not crossing 10s
$268-4=264$


[^0]
## 3-digit and 2-digit numbers

3-digit numbers
Add and subtract tens

$451+3$ tens $=481(5+3=8)$
$451-4$ tens $=411(5-4=1)$
Not crossing


Crossing 10s (Exchanging) Crossing 10s (Exchanging) $258+80=338$

- Column method - Count in 10 s mentally - Add 100, subtract 20



| $324-8-316$ |
| ---: |
| Estimate |

Estimate by dividing the hundred into 250 and 225
Estimate lOs ( 330,340 ) between 325 and 350.


Estimate 167 - 89
Use near numbers $170-90=80$
ear numbers:

$347-74=273$ can be checked using
$273+74=347$
This part whole shows the inverse calculations using these three numbers.


Add and Subtract 100s

| 31 | 3131 | 3131 |
| ---: | ---: | ---: |





[^0]:    $\begin{array}{r}154+269=423 \\ \hline 423-154\end{array}$

