Prior Knowledge (y2 Unit 2, 3)

- Use related number facts
- Compare number sentences
- Make number bonds to 100
- Add and subtract ones and tens
- Add a 2-digit and a 1-digit number
- Subtract a 1-digit number from a 2-digit number

Add 3-digit and 1-digit numbers
Start with the largest number (343) and count on how much is being added (6). The answer is the number that is reached.


With exchanging

$$
316+8=324
$$



Subtract 3-digit and 1-digit numbers

Start from the ones, subtract each column in turn.


With exchanging
5 - 8 would give us a negative number, so we re-group. Exchange one 10 , so we now have $15-8=7$.



## Year 3: Addition and Subtraction



| 3-digit numbers |  |  |
| :---: | :---: | :---: |
| Not crossing |  |  |
|  | 679-351 = | = 328 |
| Hundred | Ten | Ones |
| $\begin{aligned} & 000 \\ & 000 \end{aligned}$ | $\begin{aligned} & 0000 \\ & 000 \end{aligned}$ | $\begin{array}{lllll} \hline 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 \end{array}$ |

Crossing 10 (Exchanging)


Links to Derby and Careers
Links to Derby

- Rolls Royce
- Bombardier

Links to Careers

- Accounting
- Finance
- Trader
- Scientist
- Store assistant
- Teaching



## Checking Strategies


$347-74=273$ can be checked using
$273+74=347$

This part whole shows the inverse calculations using these three numbers.


| $154+269=423$ | $269+154=423$ |
| :--- | :--- |
| $423-154=269$ | $423-269=154$ |

