| Year R | Year 1 | Year 2 |
| :---: | :---: | :---: |
|  | As Year R plus... <br> Problem solving sentence stems: <br> First... <br> Then... used alongside bar models <br> Now... <br> number lines in $2 s, 5 s$ and $10 s$ (nonunitary) <br> 10s frames and double sided counters <br> 100 squares <br> arrays | As Year 1 plus... <br> Problem solving sentence stems: <br> First... <br> Then... used alongside bar models <br> Next... (if 2 step problem only) <br> Now... <br> For every... there are... <br> Example: <br> Link time to fractions |

## Year 3

## Year 4

## As KS1 plus...

## Problem solving sentence stems:

First...
Then... used alongside bar models
Next... (if 2 step problem only)
Now...
For every... there are...
Example:

| For every $£ 1$ | there are 100 pence |
| :---: | :--- |
| So $£ 4$ | is 400 pence |

Equivalent fractions or fractions of amounts using bar models:

| part | part |
| :---: | :---: |
| whole |  |



Change number of equal parts based on fraction when finding equivalence!


Example for fifths

## As Year 3 plus...

## Rounding -> Identify the gate keepers

## 

## Rounding on a number line with gate keepers identified:

Double number lines: for FDP or measures!


Gattegno or G-chart for $\mathbf{x}$ and $\div \mathbf{1 0}$ and 100

| 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 0.1 | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 |
| 0.01 | 0.02 | 0.03 | 0.04 | 0.05 | 0.06 | 0.07 | 0.08 | 0.09 |



