LO: to simplify an equation to solve it efficiently

Aadjust, redistribute or partition numbers

Simplify the equation

Identify and explain links between the questions

Which method do you prefer and why?

Mentally calculate addition and subtraction problems

- Partition
- Redistribute
- Adjust

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Which method should I choose to solve the problem?

Should I partition the number (add the hundreds, add the tens then add the ones)? (**partition them**)

Are they near doubles? (**adjust them**)

Can I redistribute the numbers? (**redistribute them**)

Do I need to add to make one value simpler? (then subtract at the end- **adjust them**)

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Solve these questions in your book.
(Show how you did it)

You don't need to work out all of them…

Can you find the link that they share?

$21 + 39 = 20 + 40$

$22 + 39 = \square + \square$

$23 + 39 = \square + \square$

$24 + 39 = \square + \square$

$25 + 39 = \square + \square$

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Solve these questions in your book.
(Show how you did it)

You don't need to work out all of them…

Can you find the link that they share?

$470 + 90 = 460 + 100$

$470 + 190 = \square + \square$

$470 + 290 = \square + \square$

$470 + 390 = \square + \square$

$470 + 490 = \square + \square$

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Which method should I choose to solve the problem and why?

'Fill in the missing numbers.'

3 m 60 cm + 2 m 90 cm = ☐

3 m 50 cm + ☐ = ☐

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First write down the equation.
Next, choose the best method to solve it.
Then show your workings.

- *How far is it from Sunny-beach to Underwood?'*
- *How far is it from Middleton to Greengrove?*
- *The journey from Underwood to Overwood is 44 km longer than from Underwood to Greengrove. How far is it from Underwood to Overwood?'*