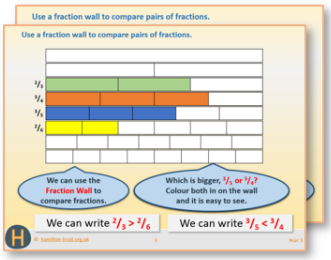
Week 7, Day 2

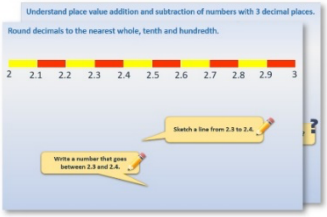
Add 2-digit numbers using partitioning

Each day covers one maths topic. It should take you about 1 hour or just a little more.

1. If possible, watch the **PowerPoint presentation** with a teacher or another grown-up.



OR start by carefully reading through the **Learning Reminders**.



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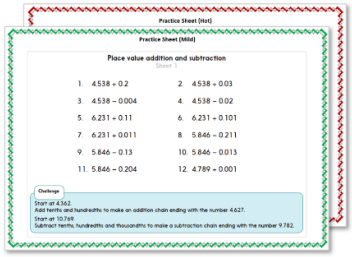
2. Tackle the questions on the **Practice Sheet**.
There might be a choice of either Mild (easier) or Hot (harder)!
Check the answers.



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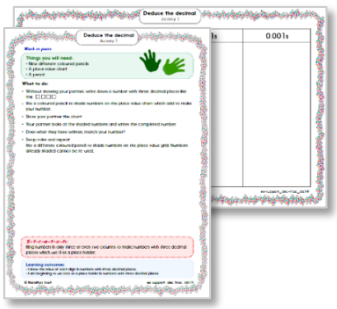
3. Finding it tricky? That's OK… have a go with a grown-up at **A Bit Stuck?**



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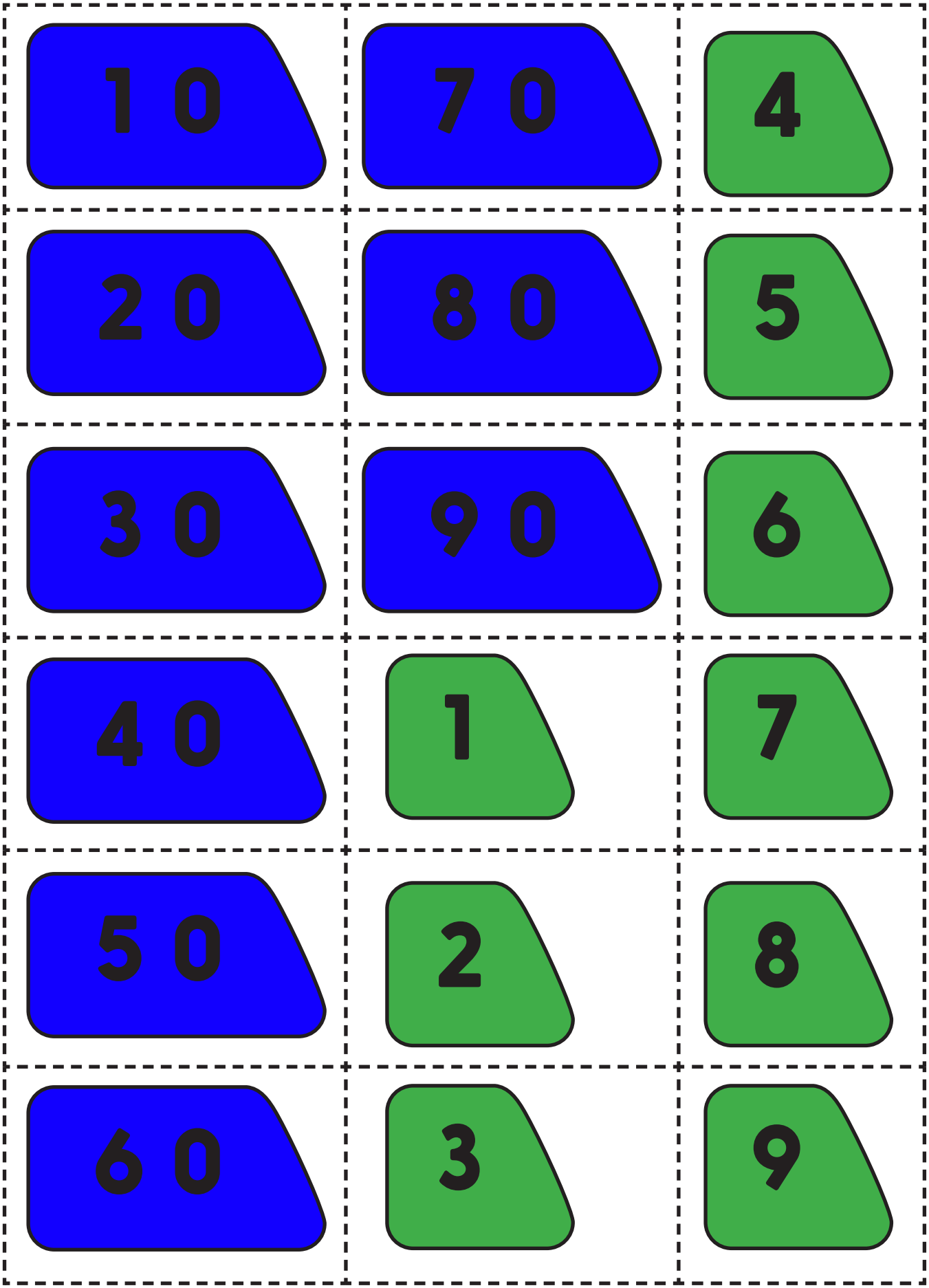
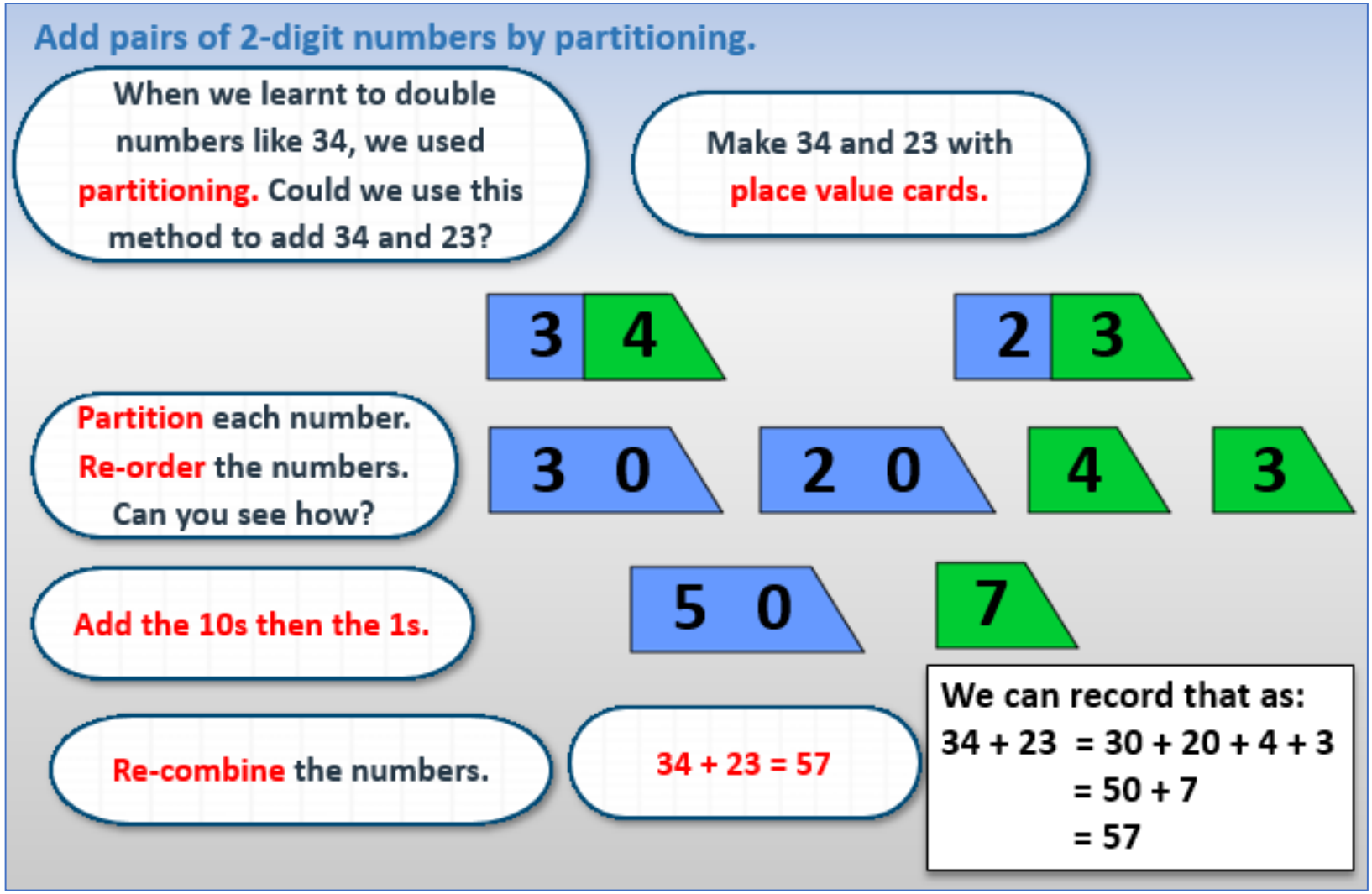
4. Think you've cracked it? Whizzed through the Practice Sheets?
Have a go at the **Investigation**…

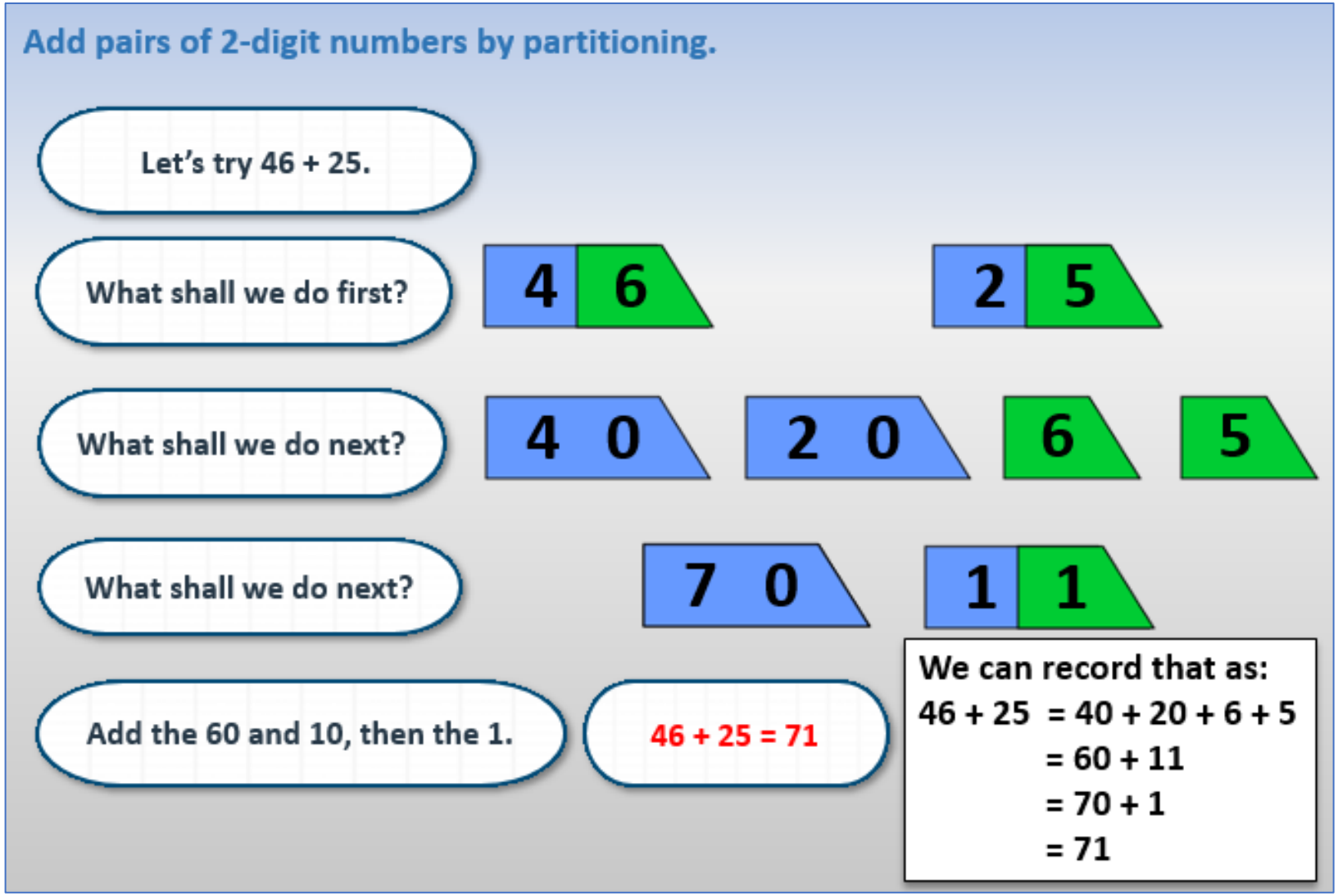
Cut out these cards to use during this lesson.



Learning Reminders



Learning Reminders



Practice Sheet Mild

Adding 2-digit numbers

Add each pair of two 2-digit numbers using partitioning. Record your jottings.

1. 53 + 25
2. 36 + 32
3. 72 + 17
4. 41 + 34
5. 67 + 22
6. 54 + 43
7. 46 + 25
8. 68 + 34

Challenge

Write a pair of 2-digit numbers with a total of 90. All four digits must be different!

Practice Sheet Hot

Adding 2-digit numbers

Add each pair of two 2-digit numbers using partitioning. Record your jottings.

1. 44 + 25
2. 56 + 34
3. 34 + 28
4. 44 + 28
5. 68 + 27
6. 59 + 35
7. 82 + 43
8. 75 + 42

Challenge

Write a pair of 2-digit numbers with a total of 100. All four digits must be different!

Practice Sheets Answers

Adding 2-digit numbers (mild)

1. 53 + 25 = 78
2. 36 + 32 = 68
3. 72 + 17 = 89
4. 41 + 34 = 75
5. 67 + 22 = 89
6. 54 + 43 = 97
7. 46 + 25 = 71
8. 68 + 34 = 102

Challenge

Write a pair of 2-digit numbers with a total of 90. All four digits must be different! e.g. 76 + 14

Adding 2-digit numbers (hot)

1. 1. 44 + 25 = 69
2. 2. 56 + 34 = 90
3. 3. 34 + 28 = 62
4. 4. 44 + 28 = 72
5. 5. 68 + 27 = 95
6. 6. 59 + 35 = 94
7. 7. 82 + 43 = 125
8. 8. 75 + 42 = 117

Challenge

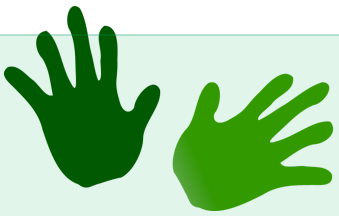
Write a pair of 2-digit numbers with a total of 100. All four digits must be different! e.g. 74 + 26

A Bit Stuck?
Do the splits

Work in pairs

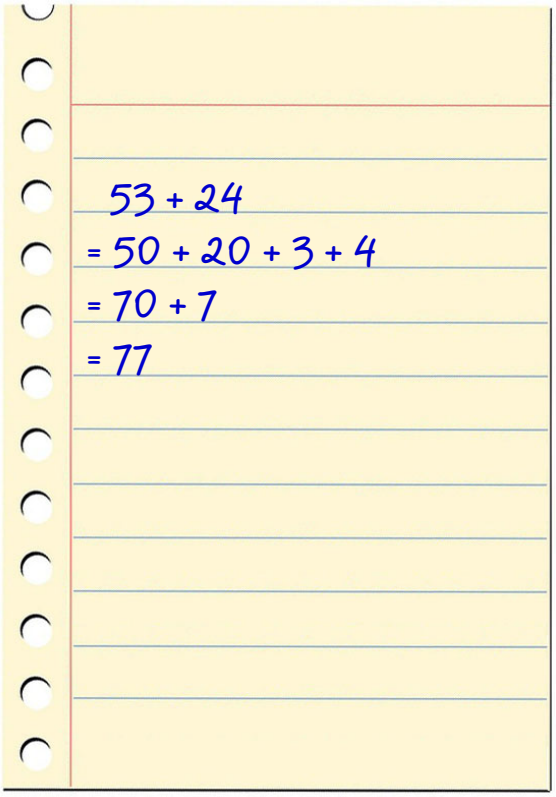
Things you will need:

- A set of 10s and 1s place value cards
- A pencil



What to do:

- Shuffle the 10 to 50 cards and place face down in a pile. Shuffle the 1 to 5 cards and place face down.
- Take the top card from each pile and put them together to make a 2-digit number.
- Take the next card from each pile to make another 2-digit number.
- One person collects the 10s.
  The other person collects the 1s.
  How much do you have each?
  Now add your totals.
- Record the addition.
- How many split sums can you do before the time is up?



S-t-r-e-t-c-h:

Include the 6 to 9 cards so that sometimes the 1s will total more than 10.

Learning outcomes:

- I can add pairs of 2-digit numbers using partitioning (1s < 10, 10s < 100)
- I am beginning to add pairs of 2-digit numbers where the 1s total more than 10.