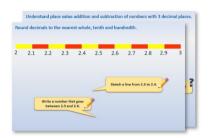
Week 14, Day 2

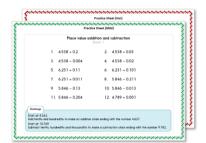
Add pairs of 2-digit numbers (2)

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

1. Start by reading through the **Learning Reminders**. They come from our *PowerPoint* slides.



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

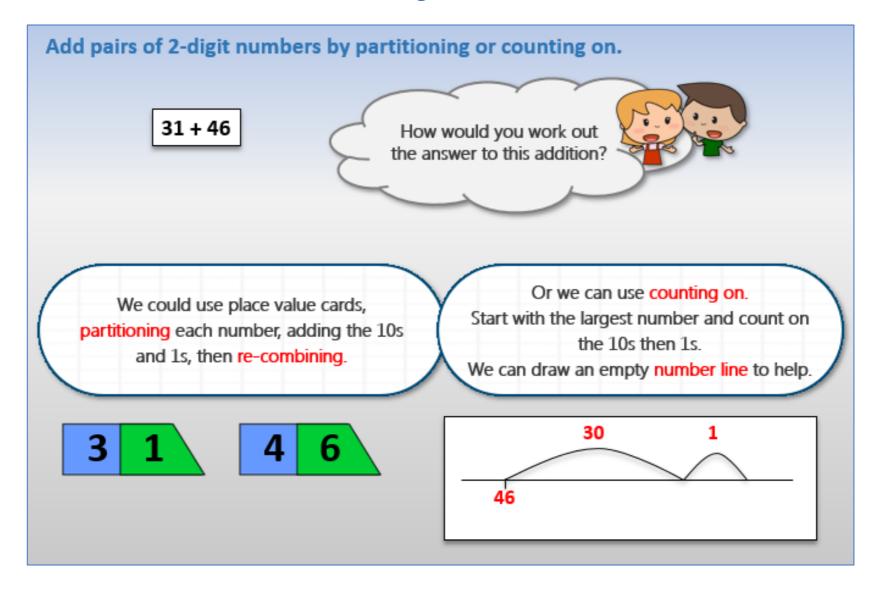


3. Finding it tricky? That's OK... have a go with a grown-up at A Bit Stuck?

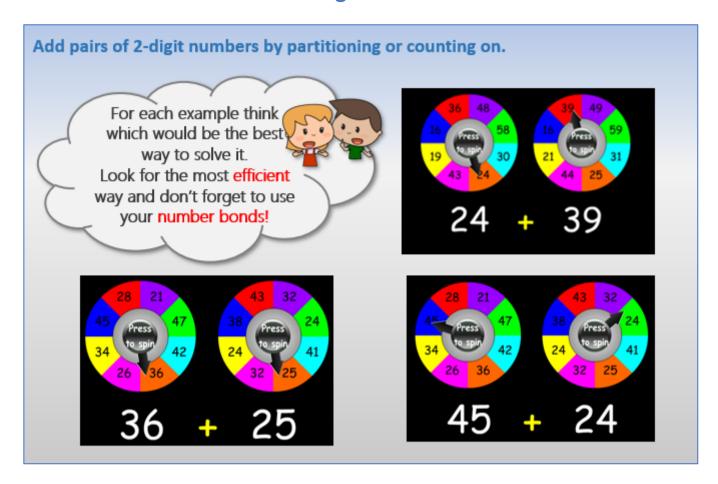


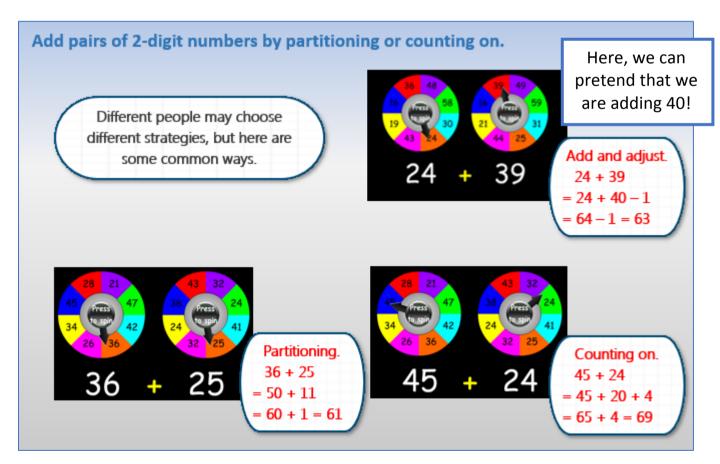
4. Think you've cracked it? Whizzed through the Practice Sheets? Have a go at the **Investigation**...

Learning Reminders



Learning Reminders





Practice Sheet Mild

Adding two 2-digit numbers

Add the following 2-digit numbers either using partitioning OR counting on in 10s then 1s.

$$1. 54 + 23$$

$$2. 45 + 44$$

$$3. 31 + 57$$

$$4. \quad 36 + 46$$

$$5. \quad 52 + 37$$

$$6. 31 + 42$$

$$7. 38 + 54$$

$$8. \quad 47 + 35$$

$$10.45 + 35$$

Challenge

Write the same number in both boxes to make the sum correct.

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Practice Sheet Hot

More adding two 2-digit numbers

Add the following 2-digit numbers either using partitioning OR counting on in 10s then 1s.

$$1. \quad 43 + 39$$

$$3. 32 + 58$$

$$4. \quad 47 + 47$$

$$5. 39 + 61$$

$$6. 31 + 42$$

$$7. \quad 46 + 35$$

$$8. \quad 33 + 54$$

9.
$$67 + 33$$

$$10.47 + 32$$

$$11.36 + 56$$

$$12.66 + 23$$

$$13.68 + 33$$

$$14.45 + 35$$

$$15.44 + 58$$

Challenge

Find three different pairs of numbers that total 91.

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Practice Sheet Answers

Practice Sheet (Mild)

- 1. 54 + 23 = 77
- 2. 45 + 44 = 89
- 3. 31 + 57 = 88
- 4. 36 + 46 = 82
- 5. 52 + 37 = 89
- 31 + 42 = 736.
- 7. 38 + 54 = 92
- 47 + 35 = 828.
- 66 + 23 = 899.
- 10. 45 + 35 = 80

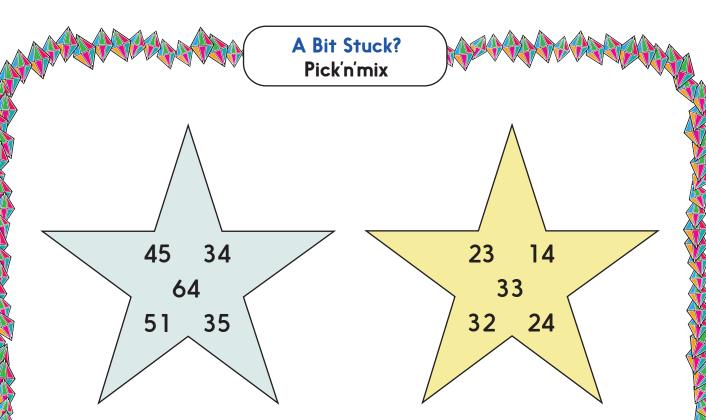
Challenge

Practice Sheet (Hot)

- 43 + 39 = 821.
- 68 + 25 = 932.
- 3. 32 + 58 = 90
- 4. 47 + 47 = 94
- 5. 39 + 61 = 100
- 31 + 42 = 736.
- 46 + 35 = 817.
- 8. 33 + 54 = 87
- 9.
- 67 + 33 = 100
- 10. 47 + 32 = 79
- 11. 36 + 56 = 92
- 66 + 23 = 8912.
- 13. 68 + 33 = 101
- 45 + 35 = 8014.
- 44 + 58 = 10215.

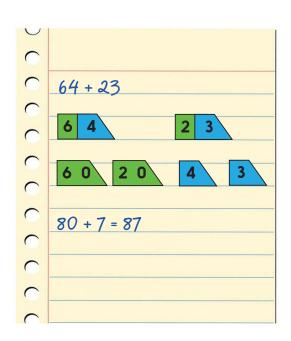
Challenge

Accept answers with two 2-digit numbers that add up to 91, e.g.



What to do:

- Pick a number from each star.
- · Make each number using place value cards.
- · Collect the 10s and add them.
- · Collect the 1s and add them.
- Now add your two answers.
- Write the addition.



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

Your challenge is to look for a pair of numbers with a total between:

- 50 and 60
- 60 and 70
- 70 and 80
- 80 and 90
- 90 and 100



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Investigation

Diagonal hundreds

1. Copy this grid.

+

M2

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74

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×

5

%

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<u></u>

CM3

×

11

Ones digit is less than 5	Ones digit is more than 5	

- 2. Write a two-digit number in each space. Each number should be less than 40.
- 3. In the left column, the ones digit must be less than 5.
- 4. In the right column, the ones digit must be more than 5.
- 5. Add the numbers in the top left and bottom right corners (the diagonal).
- Add the numbers in the bottom left and top right corners (the other diagonal).
- Add your two answers.
 YOU ARE TRYING TO GET A TOTAL OF EXACTLY 100!
- Start again, and try another pair of numbers in the first column and another pair in the second column.
- 9. How close to 100 is your total now?

Discuss how you can bring your total closer to 100.

10. Try with different start numbers in your square.Can you get a total of 100?Can you get a total of 100 in more than one way?

0			
0			
0	Ones digit is	Ones digit is	
	less than 5	more than 5	
0	32	28	
0	21	18	
0			
0			
(

11

3

%

×

*

3

%

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4 + ? = x cm³ ½ ÷ & ½ > m² + % 4 % - cm ? x ÷ ½