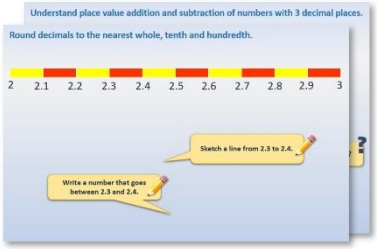
Year 1: Week 4, Day 2

Add 11 to 2-digit numbers

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.



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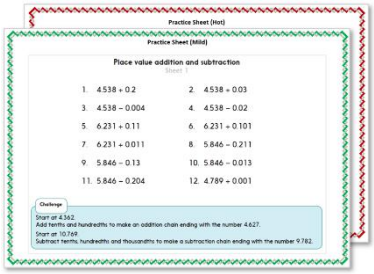
2. Tackle the questions on the **Practice Sheet**. There might be a choice of either Mild (easier) or Hot (harder)! Check the answers.



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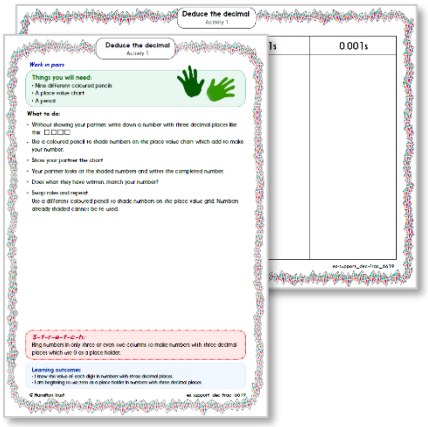
3. Finding it tricky? That's OK… have a go with a grown-up at **A Bit Stuck?**



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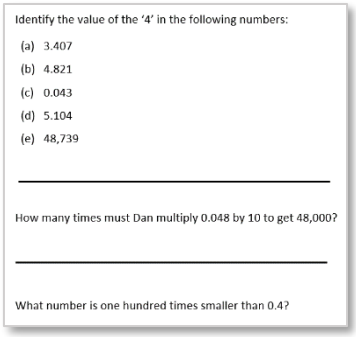
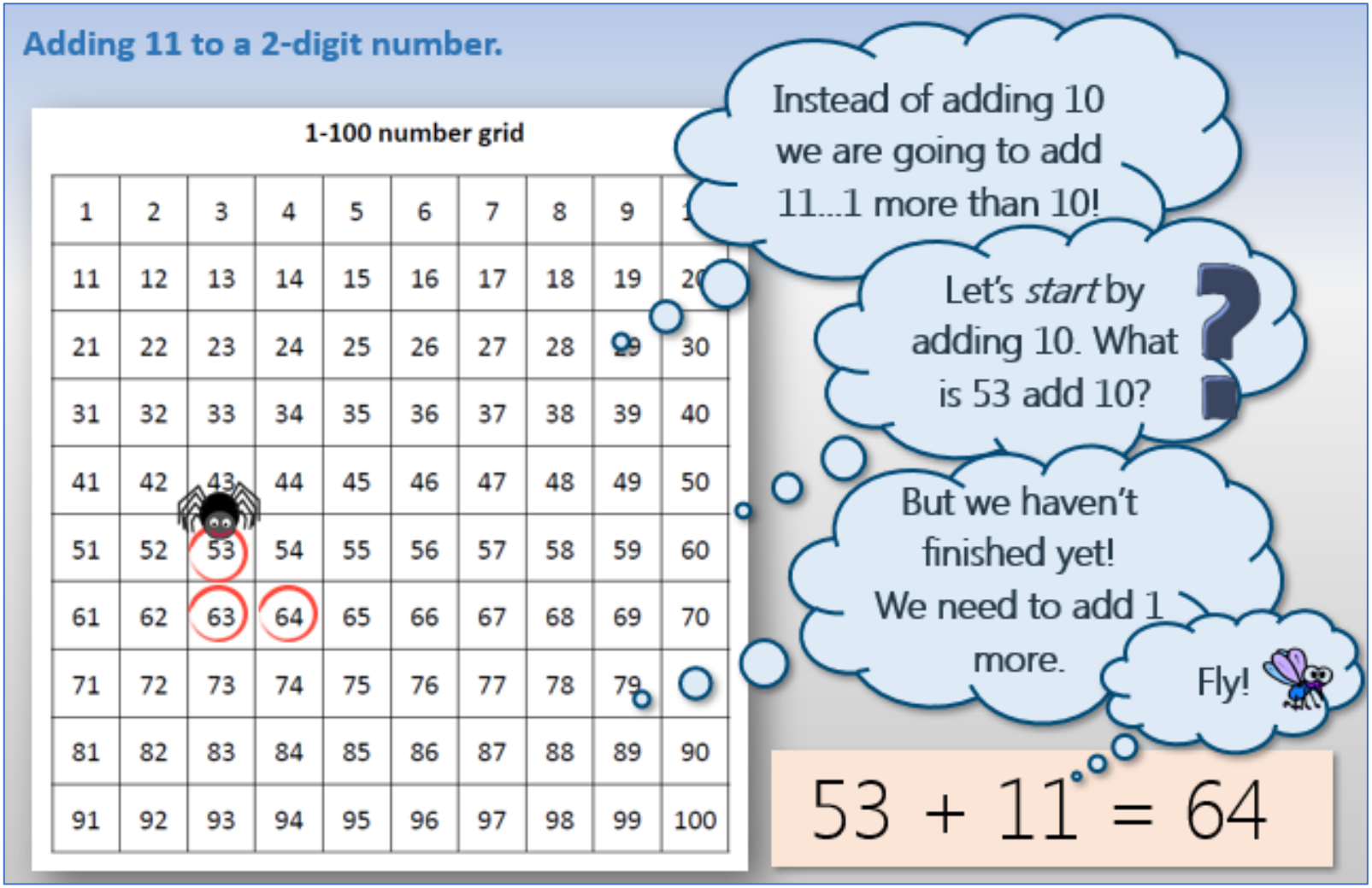
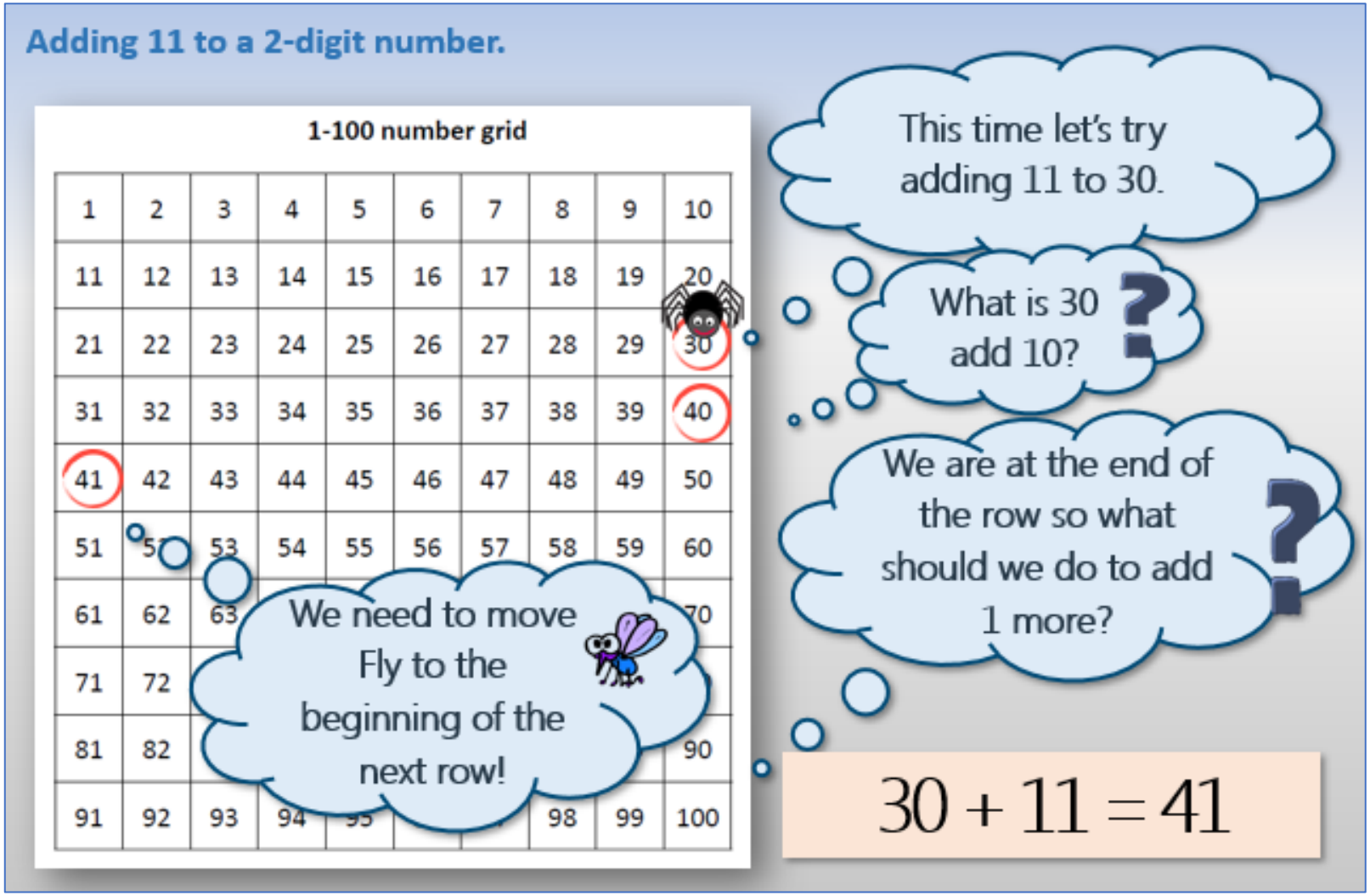
4. Have I mastered the topic? A few questions to **Check your understanding**. Fold the page to hide the answers!



Learning Reminders



Learning Reminders



Practice Sheet Mild

Part A

Sally has some cakes to sell on the cake stall but she has been told to increase the price of each cake by 11p.
Can you help her change her signs?

23p

30p

45p

42p

20p

26p

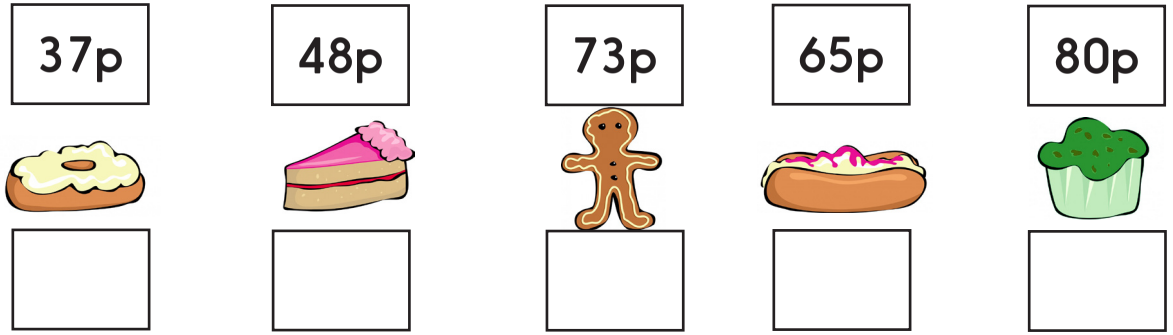
60p

67p

Practice Sheet Hot

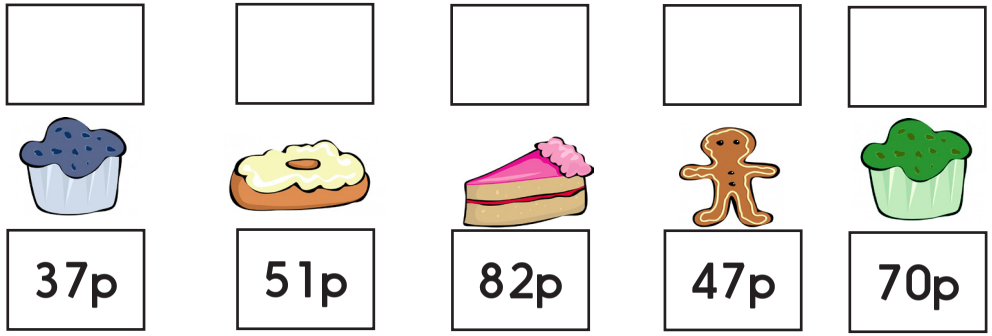
Part A

Sally has some cakes to sell on the cake stall but she has been told to increase the price of each cake by 11p.
Can you help her change her signs?



Part B

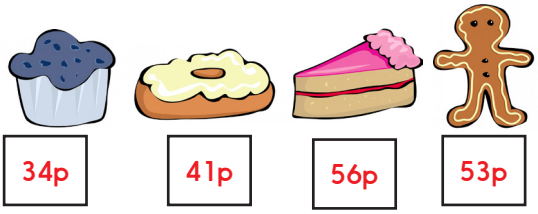
What was the original price of these cakes?



Practice Sheet Answers

Adding 11 (mild)

Sally's new cake signs for 11p price increase:



34p | 41p | 56p | 53p

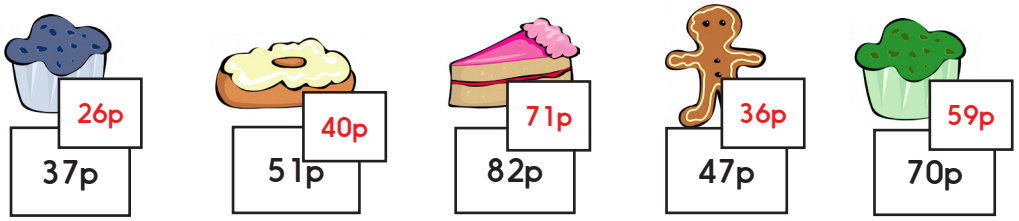
31p | 37p | 71p | 78p

Adding 11 (hot)

Sally's new cake signs for 11p price increase:

48p | 59p | 84p | 76p | 91p

Original cake prices:



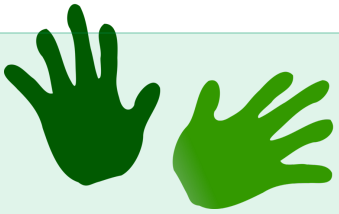
Practice Sheets
0-100 grid

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

A Bit Stuck?
More spider counting

Work in pairs

Things you will need:
- Spider's counting strips
- A pencil



What to do:

- Choose one of Spider's counting strips.
- Write the missing numbers.
- Fill in as many strips as you can.

2
12
22
32
42
62
72
82

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

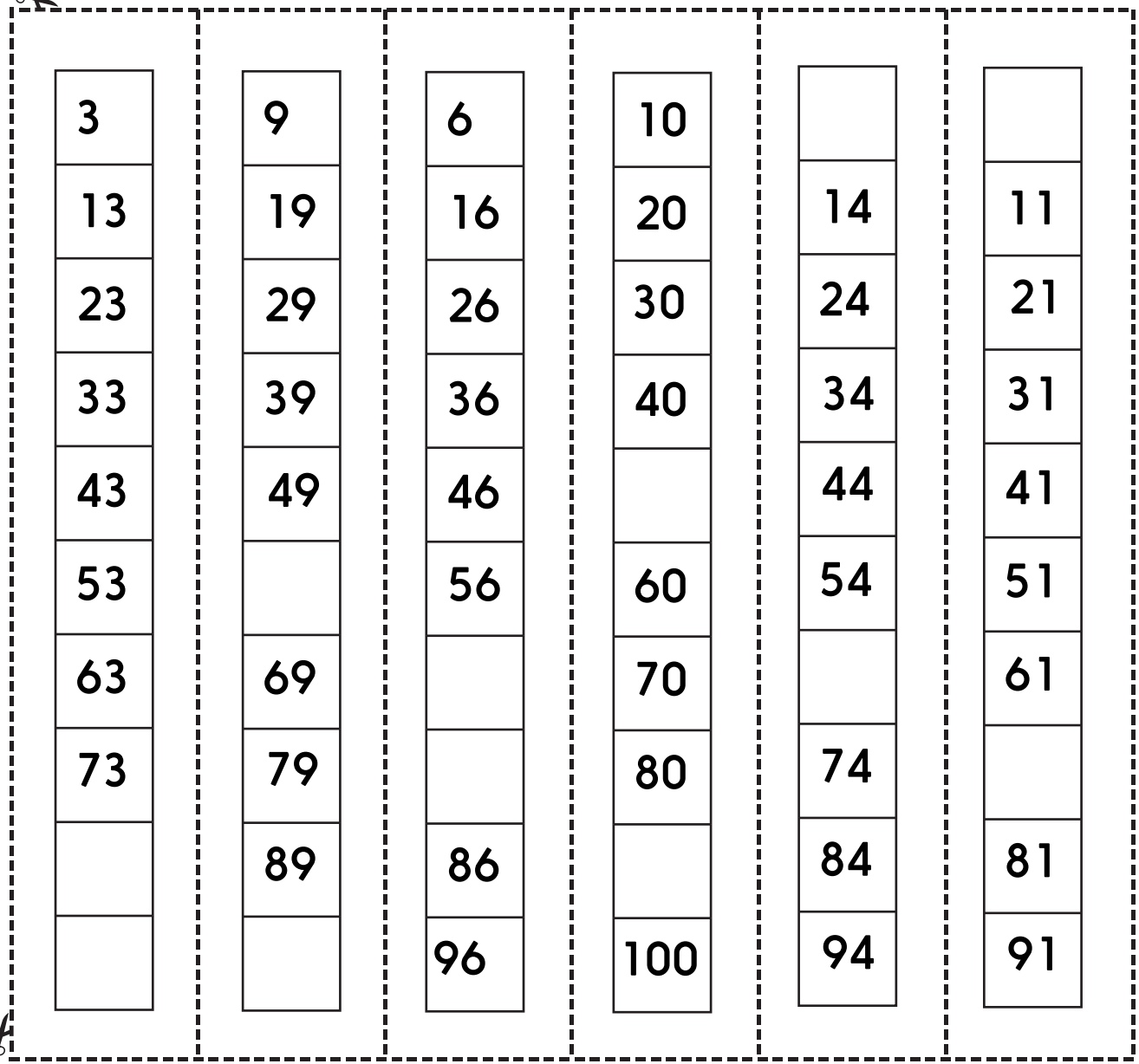
Use Spider on the grid to work out the answers to these additions.

25 + 10 = ☐ 53 + 10 = ☐

Learning outcomes:
- I can count on in 10s from a single-digit number.
- I am beginning to use Spider to add 10 to 2-digit numbers.

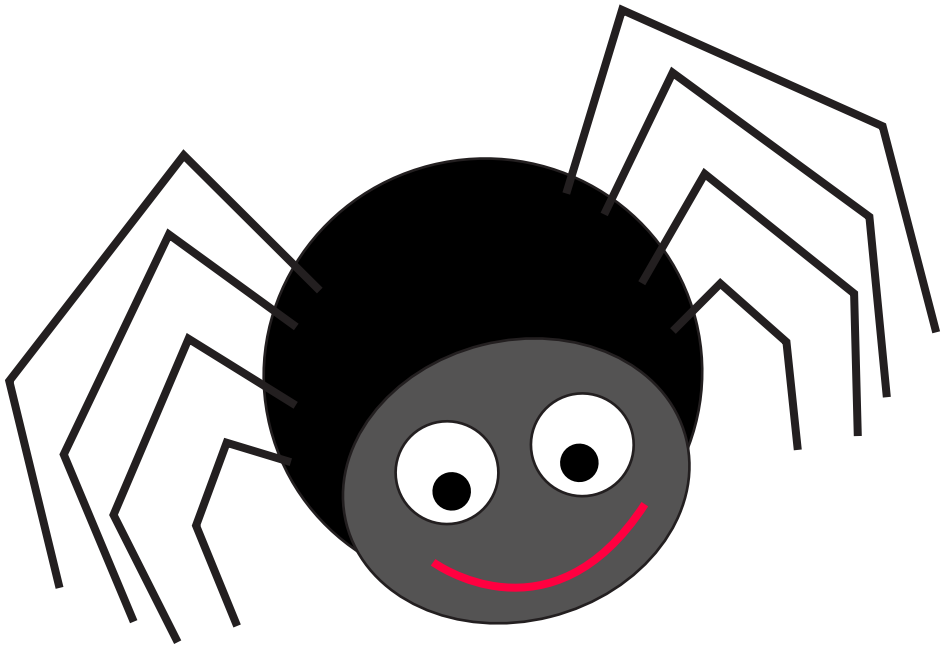
A Bit Stuck?

More spider counting



3	9	6	10		
13	19	16	20	14	11
23	29	26	30	24	21
33	39	36	40	34	31
43	49	46		44	41
53		56	60	54	51
63	69		70		61
73	79		80	74	
	89	86		84	81
		96	100	94	91

More spider counting



Check your understanding

Questions

Complete each sentence.

42 + 11 = ☐

☐ + 11 = 86

66 + ☐ = 77

Add 11 to each number:

83 24 18 46

True or false?

- Adding 11 to a 2-digit number with both digits the same (like 22 or 33) always gives another 2-digit number with both digits the same.
- Adding 10 to a number where the first digit is 1 less than the second digit (like 12 or 23) always gives an answer with 2 digits the same.

Fold here to hide answers

Check your understanding

Answers

42 + 11 = 53 75 + 11 = 86 66 + 11 = 77

Some children may find the questions with the missing number on the left hand side (what has to be added to 37 to equal 47) trickier.

Add 11 to each number:

83 94 24 35 18 29 46 57

Mistakes may arise if children count on in 1s rather than adding 10 then 1 ('Spider then fly').

True or false?

- Adding 11 to a 2-digit number with both digits the same (like 22 or 33) always gives another 2-digit number with both digits the same. False. It works for *most*, e.g. 22 + 11 = 33; 33 + 11 = 44, but not for 79 + 11 (=90).
- Adding 10 to a 2-digit number where the first digit is 1 less than the second digit (like 12 or 23) always gives an answer with 2 digits the same. True, e.g. 12 + 10 = 22; 89 + 10 = 99.