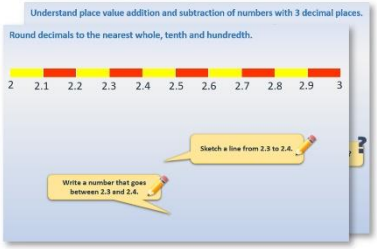
Year 1: Week 5, Day 1
Add and subtract 11

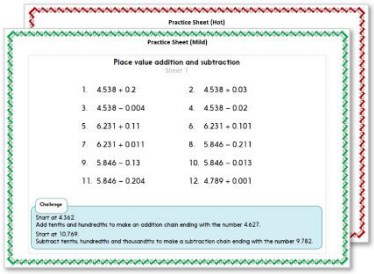
Each day covers one maths topic. It should take you about 1 hour or just a little more.

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



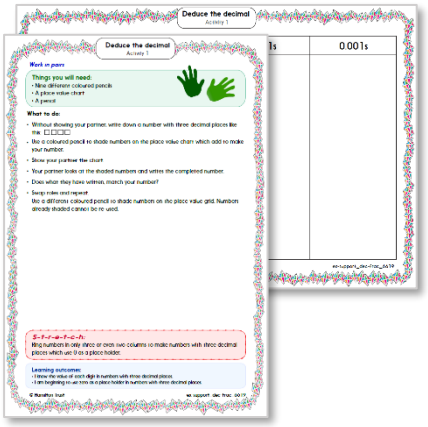
---

2. 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?**

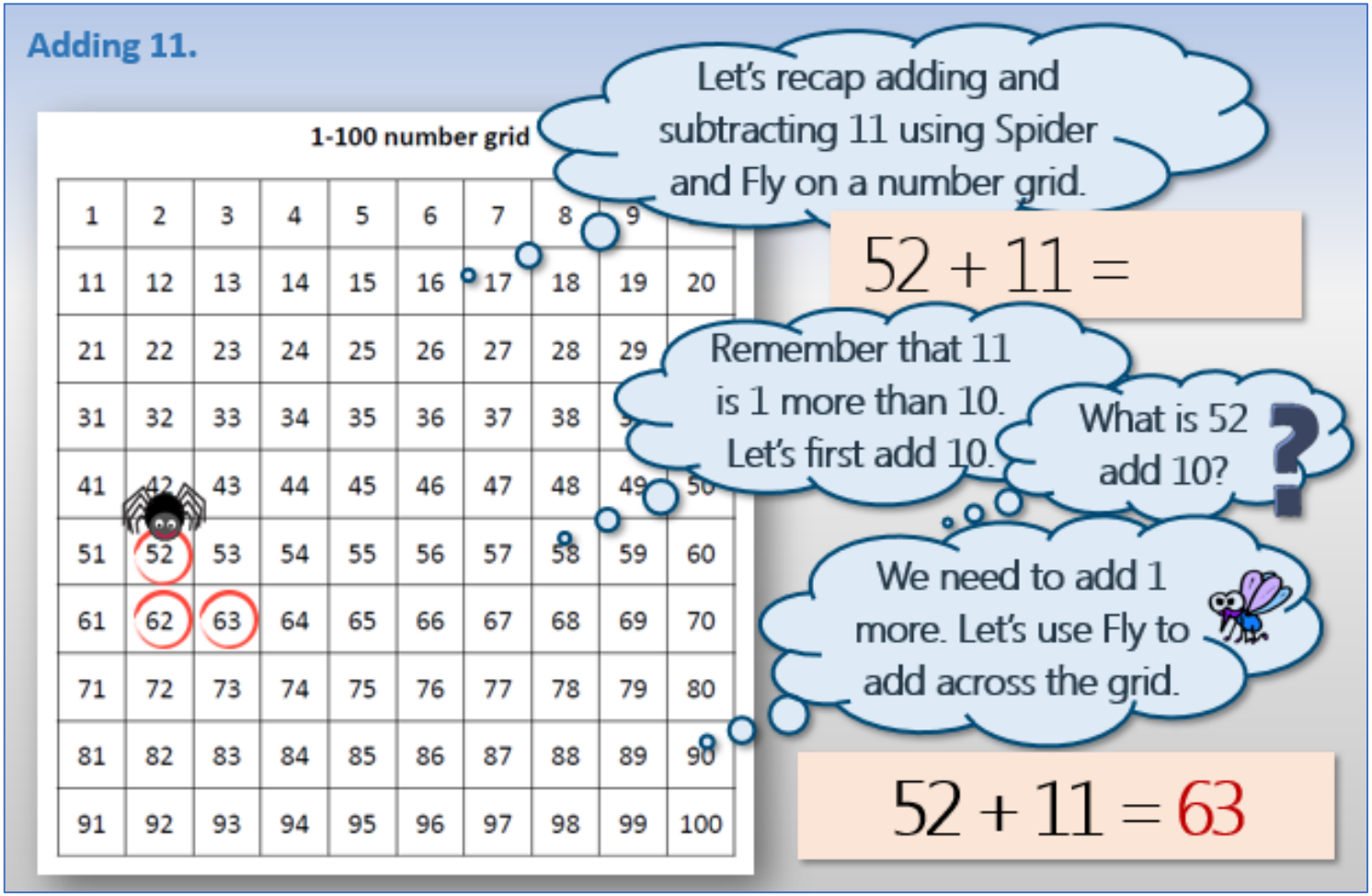


---

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

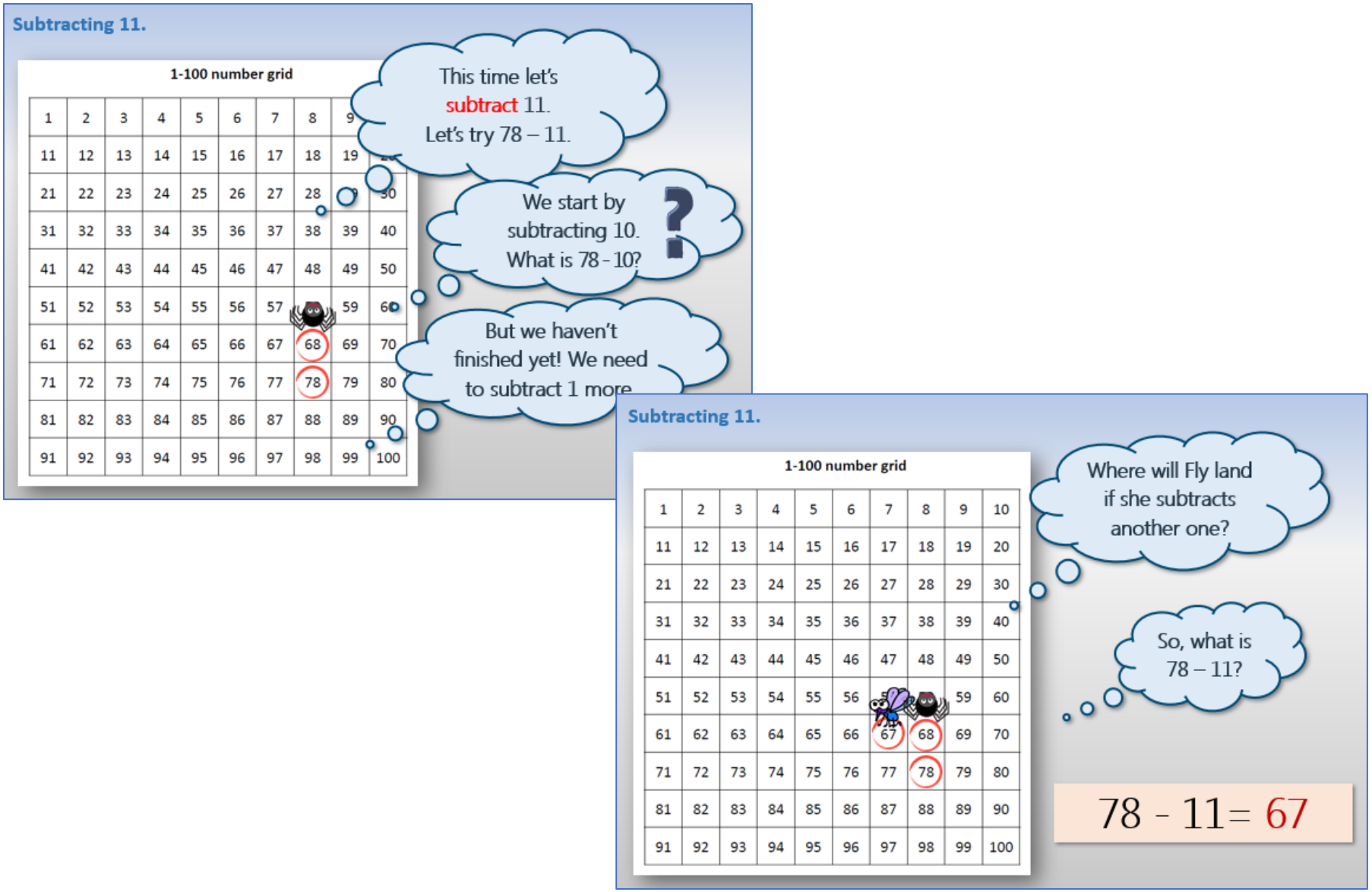
© Hamilton Trust
Explore more Hamilton Trust Learning Materials at https://wrht.org.uk/hamilton

Learning Reminders



© Hamilton Trust
Explore more Hamilton Trust Learning Materials at https://wrht.org.uk/hamilton

Learning Reminders



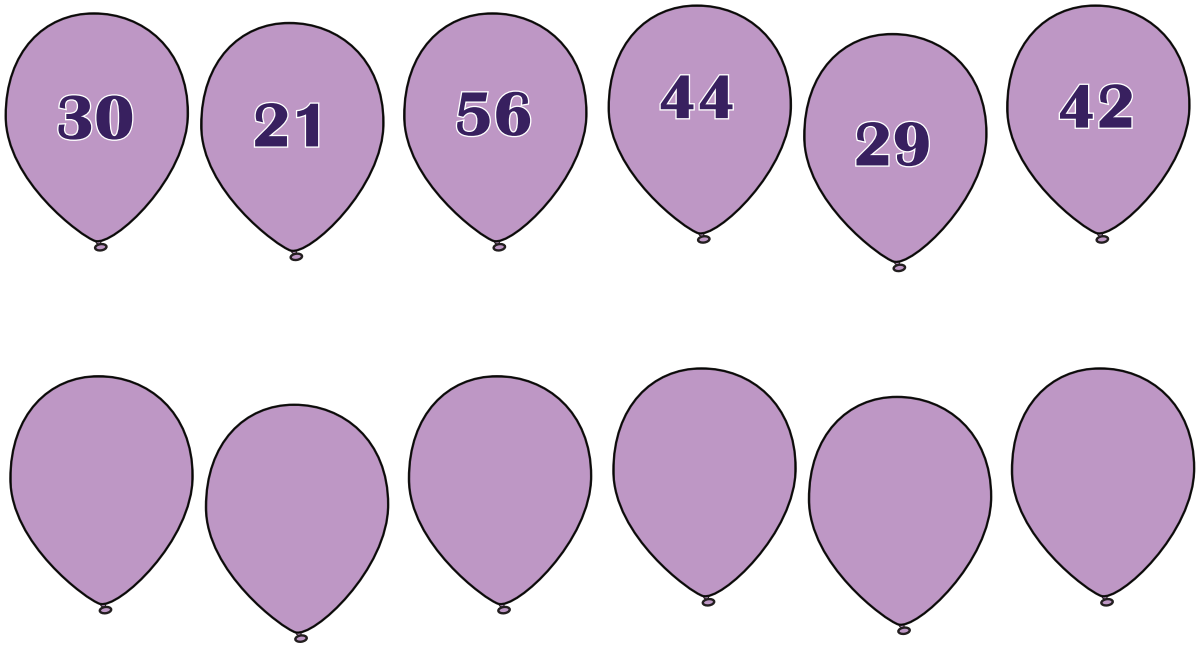
© Hamilton Trust
Explore more Hamilton Trust Learning Materials at https://wrht.org.uk/hamilton

Practice Sheet Mild

Adding and subtracting 11

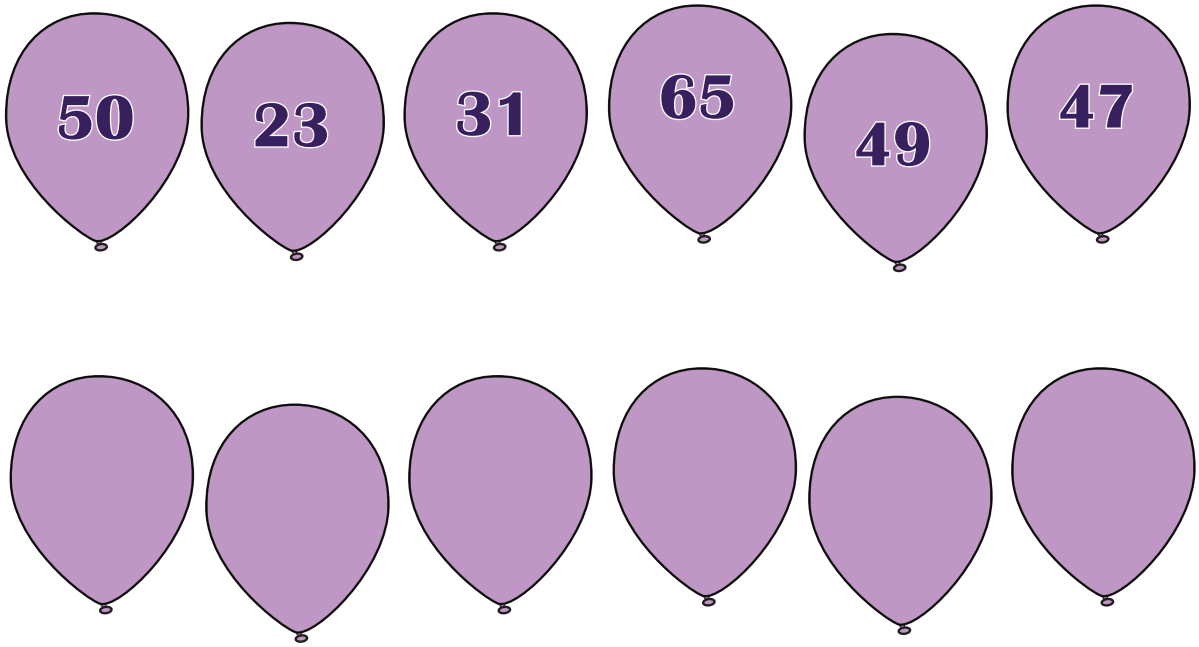
Part A

The balloon seller has written ages on the birthday balloons but they are wrong! Each balloon should be 11 years more!
Can you help her write the new ages?



Part B

The balloon seller has made another mistake!
Each balloon should be 11 years less!
Can you help her write the new ages?

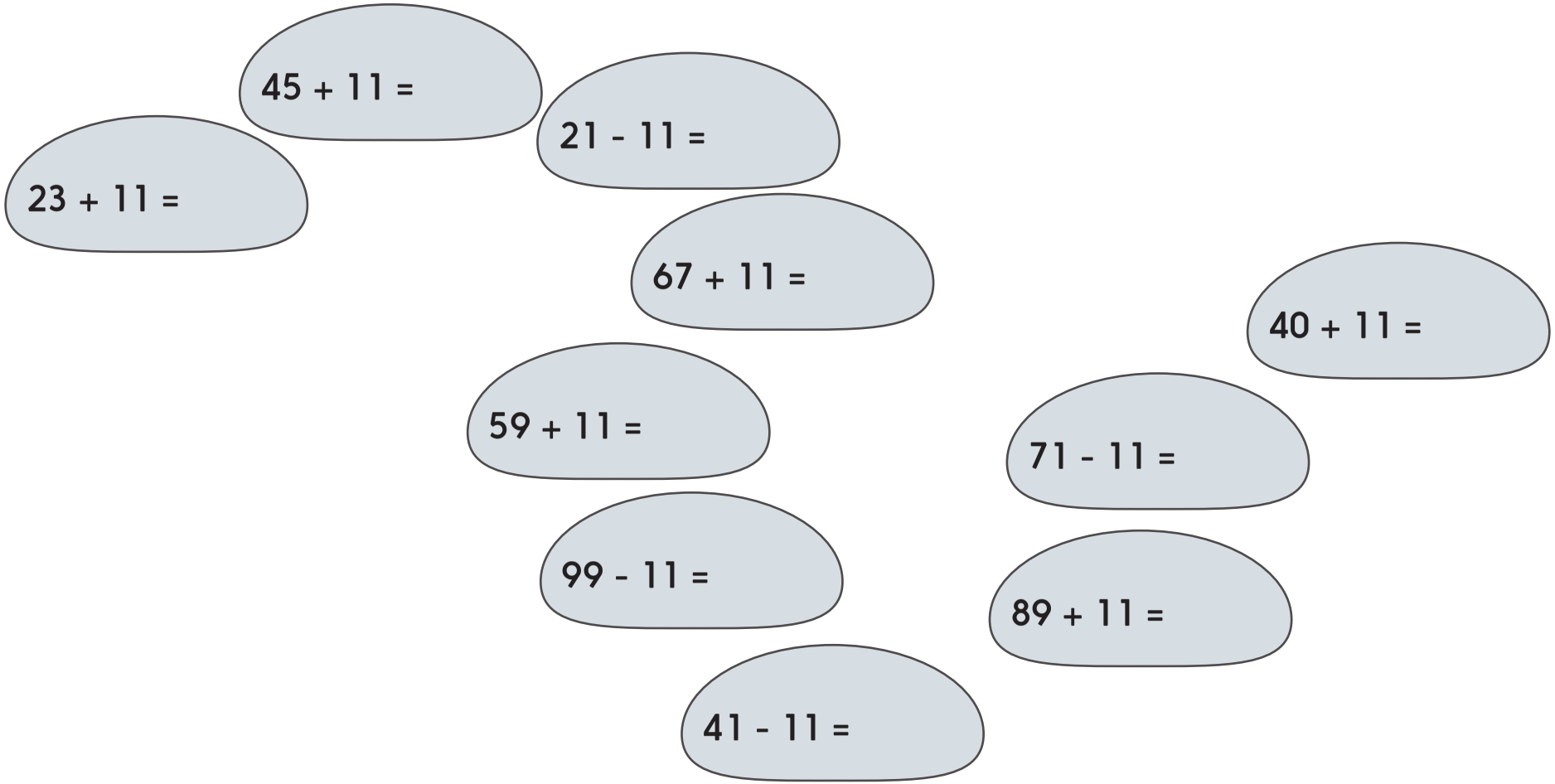


© Hamilton Trust
Explore more Hamilton Trust Learning Materials at https://wrht.org.uk/hamilton

Practice Sheet Hot

Adding and subtracting 11

Can you complete ALL the number sentences on the stepping stones to make it to the other side?



© Hamilton Trust
Explore more Hamilton Trust Learning Materials at https://wrht.org.uk/hamilton

Practice Sheet
1-100 grid

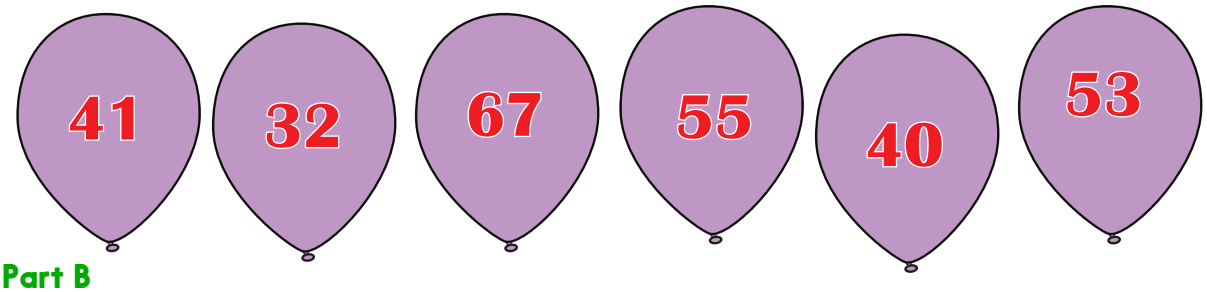
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

© Hamilton Trust
Explore more Hamilton Trust Learning Materials at https://wrht.org.uk/hamilton

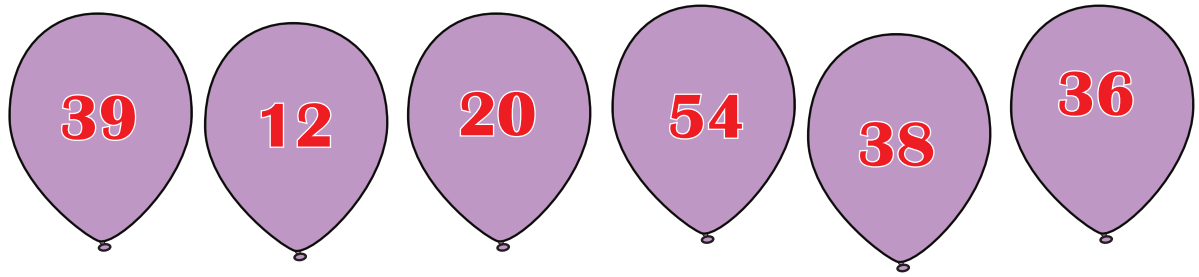
Practice Sheets Answers

Adding and subtracting 11 (mild)

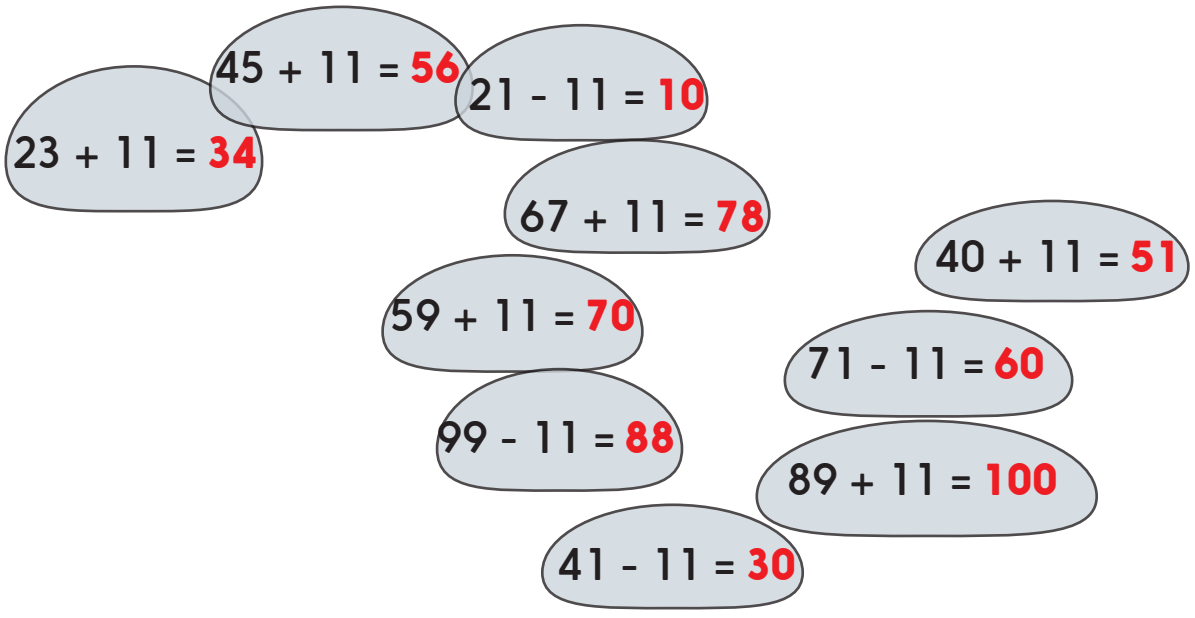
Part A



Part B



Adding and subtracting 11 (hot)

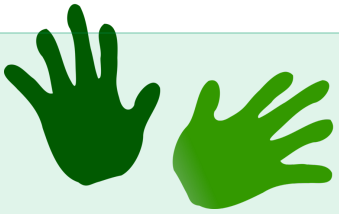


© Hamilton Trust
Explore more Hamilton Trust Learning Materials at https://wrht.org.uk/hamilton

A Bit Stuck?
Spider's work out

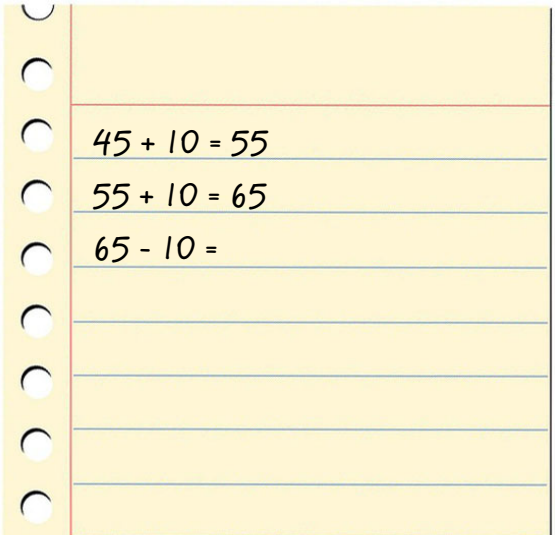
Work in pairs

Things you will need:
- A pencil
- A coin with a sticker with +10 written on one side, and a sticker with -10 on the other side



What to do:

- One person puts Spider on 45 on the grid.
- The other person flips the coin.
    - If it shows +10, move Spider down a square.
    - If it shows -10, move up a square.
- Write the number sentence.
- Can Spider reach the top or bottom row?



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

Can you work out 36 + 10 and 72 – 10 without using the 1-100 grid?
Check your answers on the grid.

Learning outcomes:
- I can add and subtract 10 using a 1-100 grid.
- I am beginning to add and subtract 10 without a 1-100 grid.

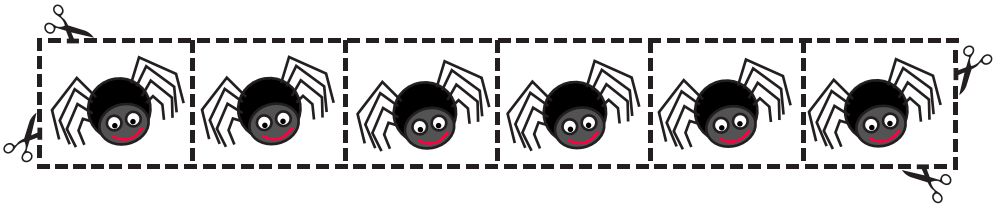
© Hamilton Trust
Explore more Hamilton Trust Learning Materials at https://wrht.org.uk/hamilton

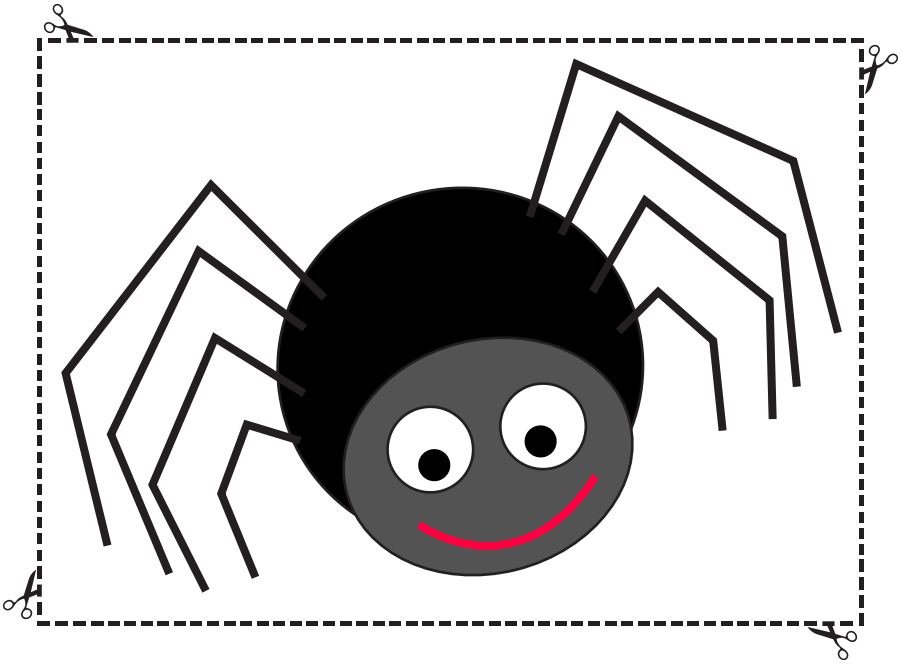
A Bit Stuck?
Spider's work out

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

© Hamilton Trust
Explore more Hamilton Trust Learning Materials at https://wrht.org.uk/hamilton

A Bit Stuck?
Spider's work out

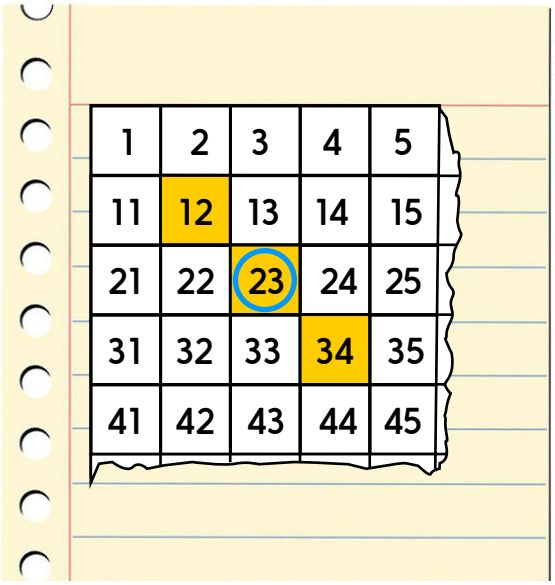




© Hamilton Trust
Explore more Hamilton Trust Learning Materials at https://wrht.org.uk/hamilton

Investigation
Stop me if you can!

Play with a partner.
You will need a 1-100 grid between you.



1	2	3	4	5
11	12	13	14	15
21	22	23	24	25
31	32	33	34	35
41	42	43	44	45

1. You need a coloured crayon each in a different colour from your partner!
2. Take turns to play
3. Choose a number on the grid. Colour it. Add 10 then add 1 and colour the answer.
4. Go back to your original number. Subtract 10 and subtract 1 and colour the answer.
5. Now let your partner have a turn

YOUR AIM is to create a long diagonal line in your colour. How long a line can you make? Can you stop your partner making a long line by choosing a number which gets in their way?

HINT: If you only ever choose numbers to stop your partner, you will never make a long line of your own!

Think about:
What number should you choose to start with in order make the longest diagonal line possible?

© Hamilton Trust
Explore more Hamilton Trust Learning Materials at https://wrht.org.uk/hamilton

Stop me if you can!

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

© Hamilton Trust

Explore more Hamilton Trust Learning Materials at https://wrht.org.uk/hamilton