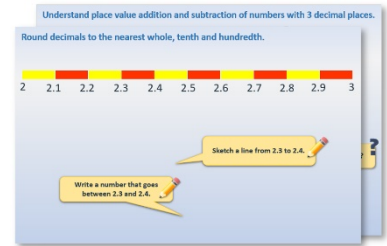


Week 13, Day 3

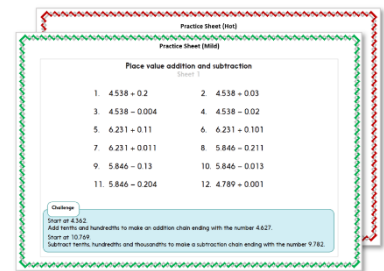
Bridging 10

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

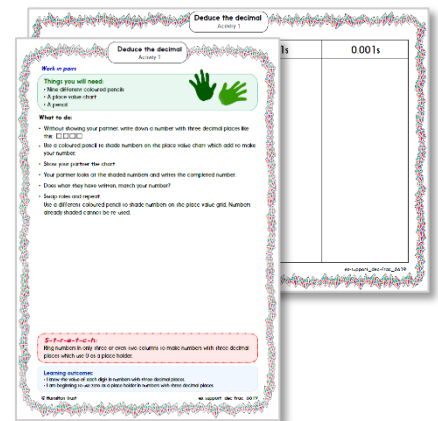
1. Start by reading through the **Learning Reminders**. They come from our *PowerPoint* slides.



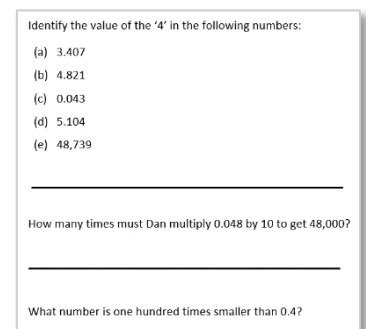
2. Tackle the questions on the **Practice Sheet**. There might be a choice of either **Mild** (easier) or **Hot** (harder)! Check the answers.



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



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



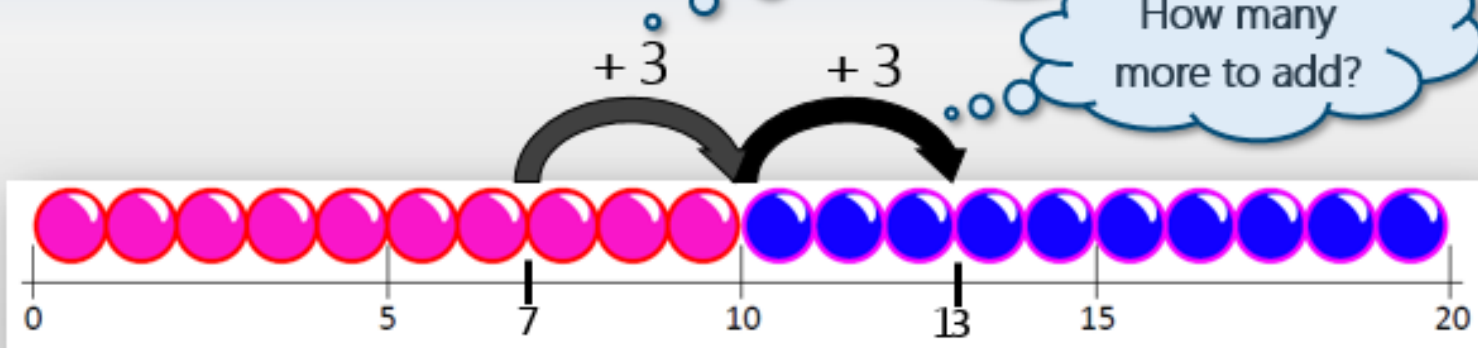
Learning Reminders

Bridge 10 with beaded lines.

$$7 + 6 = 13$$

We start on 7.
How many more
to make 10?

How many
more to add?



When we add in two steps
like this, stopping at 10,
we call it **bridging 10**.

Learning Reminders

Bridge 10 with beaded lines.

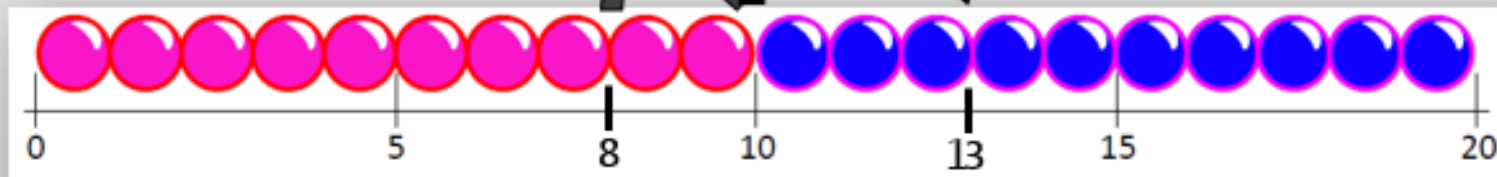
$$8 + 5 = 13$$

We start on 8.
How many more
to make 10?

How many more
to add?

+ 2

+ 3



Learning Reminders

Bridge 10 with Fly on a number 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

$$17 + 5 = 22$$

First, fly to 20.
Remember that
we want to add 5
not just 3.

What next?
We need to add
another 2.

We bridged 20,
a 10s number.

Bridge 10 with Fly on a number 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

$$28 + 6 = 34$$

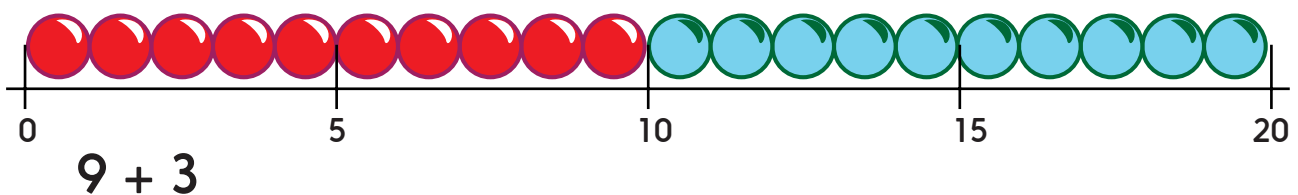
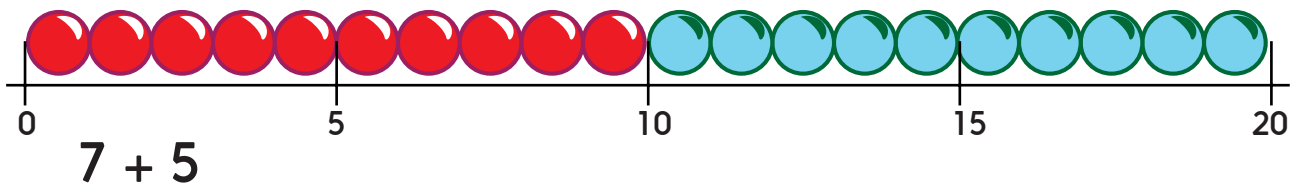
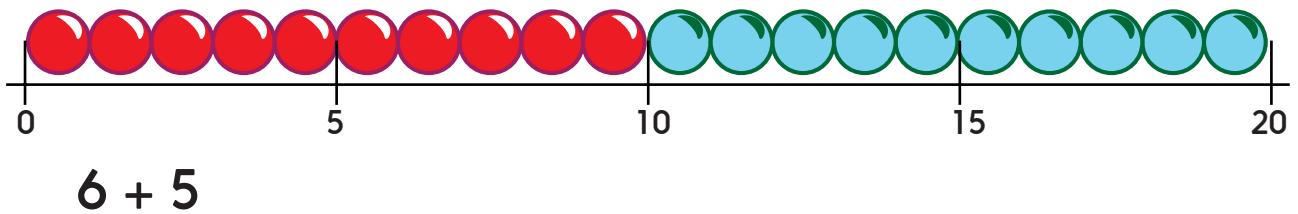
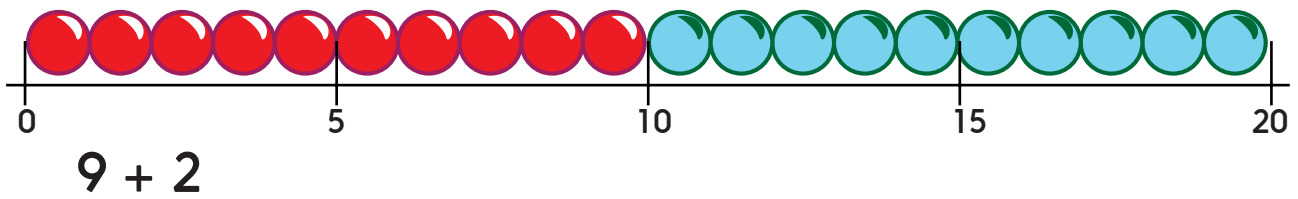
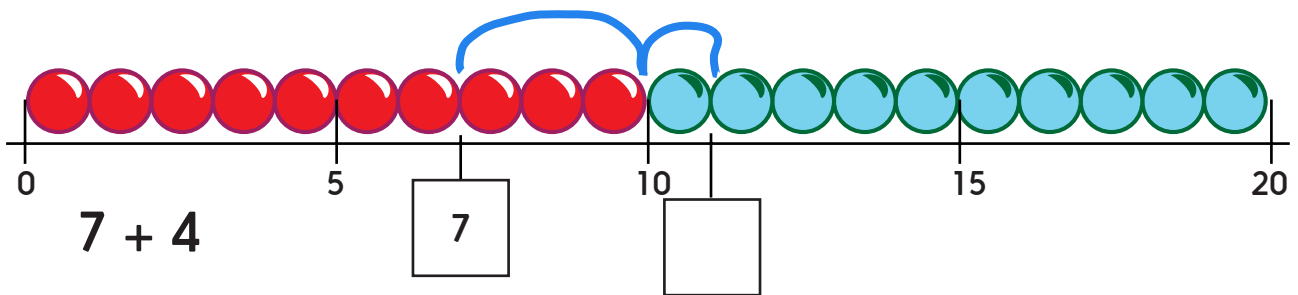
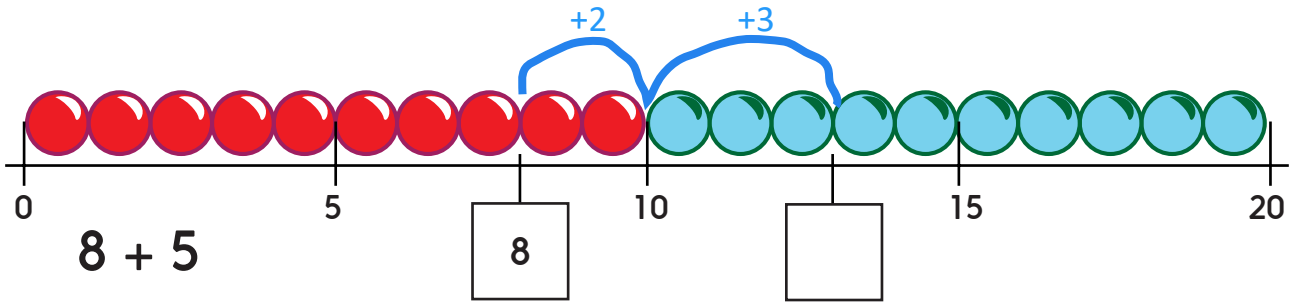
First, fly to 30.
Remember that
we want to add 6
not 2.

What next?
We need to add
another 4.

This time, we
bridged 30.

Practice Sheet Mild

Bridging 10



Practice Sheet Hot
More bridging 10

$36 + 4 = \square$

So, $36 + 5 = \square$

$28 + 2 = \square$

So, $28 + 3 = \square$

$44 + 6 = \square$

So, $44 + 7 = \square$

$27 + 3 = \square$

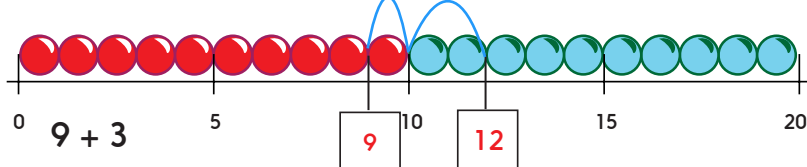
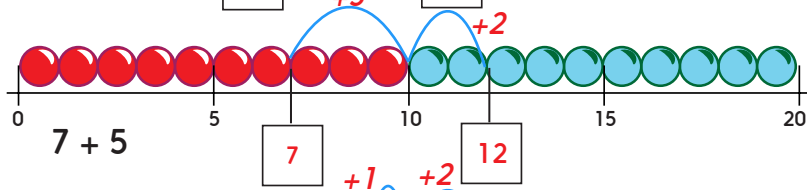
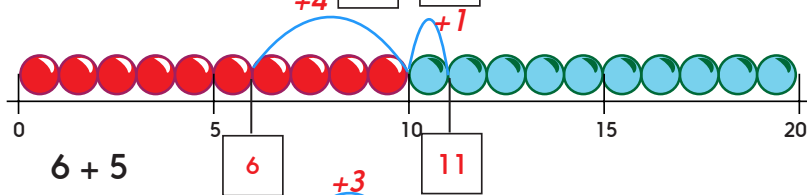
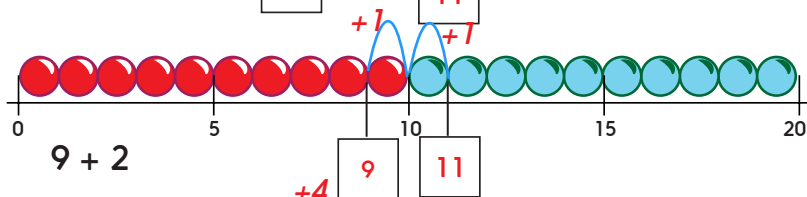
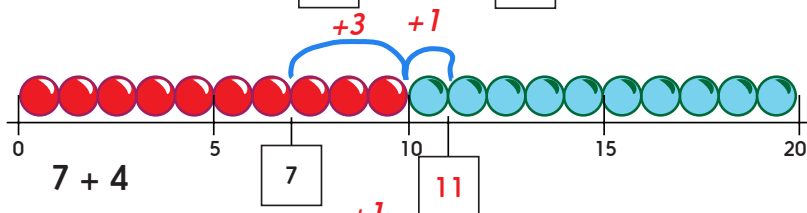
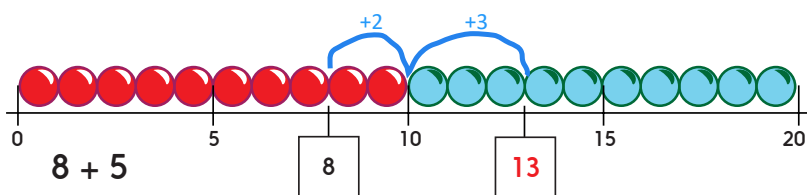
So, $27 + 5 = \square$

$36 + 6 = \square$

$17 + 5 = \square$

Practice Sheet Answers

Practice Sheet (Mild)



Practice Sheet (Hot)

$$36 + 4 = 40 \text{ so, } 36 + 5 = 41$$

$$28 + 2 = 30 \text{ so, } 28 + 3 = 31$$

$$44 + 6 = 50 \text{ so, } 44 + 7 = 51$$

$$27 + 3 = 30 \text{ so, } 27 + 5 = 32$$

$$36 + 6 = 42$$

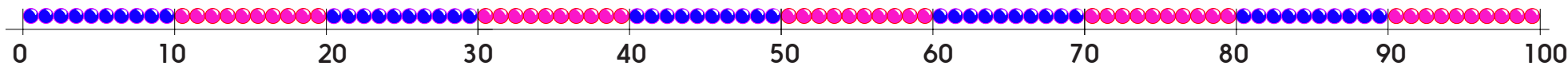
$$17 + 5 = 22$$

A Bit Stuck? What's the gap?

What to do:

- Choose a card.
- Use your beaded line to help you fill in the gap.
- Now choose another card.

$$37 + \square = 40$$



Things you will need:

- 'What's the gap?' cards
- A pencil



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

Split your beaded line anywhere you like. Make up your own 'what's the gap?' additions.

Learning outcomes:

- I can see how much needs to be added to make the next 10s number.
- I am beginning to say the next 10s number and how much needs to be added to make that number.

A Bit Stuck?
What's the gap?

$37 + \square = 40$

$24 + \square = 30$

$99 + \square = 100$

$75 + \square = 80$

$18 + \square = 20$

$52 + \square = 60$

$41 + \square = 50$

$63 + \square = 70$

$86 + \square = 90$

Check your understanding: Questions

Write the sum Fly does before doing each of these additions.
The first one is done for you.

$36 + 6 = \square$

Fly does $36 + 4 = 40$ (bridging to the next multiple of 10)

Then $+ 2$ $36 + 6 = 42$

$48 + 4 = \square$

Fly does $48 + \square = \square$ (the next multiple of 10)

Then $+ \square$ $48 + 4 = \square$

$57 + 5 = \square$

Fly does $57 + \square = \square$

Then $+ \square$ $57 + 5 = \square$

$25 + 7 = \square$

Fly does $25 + \square = \square$

Then $+ \square$ $25 + 7 = \square$

$39 + 3 = \square$

Fly does $39 + \square = \square$

Then $+ \square$ $39 + 3 = \square$

Check your understanding:

Answers

Write the sum Fly does before doing each of these additions.

The first one is done for you.

To solve these, children need to be confident using number bonds to bridge to the next 10 and recognising how to partition the 1-digit number appropriately.

$$36 + 6 = \square$$

Fly does $36 + 4 = 40$

Then $+ 2$ $36 + 6 = 42$

$$48 + 4 = \square$$

Fly does $48 + 2 = 50$

Then $+ 2$ $48 + 4 = 52$

$$57 + 5 = \square$$

Fly does $57 + 3 = 60$

Then $+ 2$ $57 + 5 = 62$

$$25 + 7 = \square$$

Fly does $25 + 5 = 30$

Then $+ 2$ $25 + 7 = 32$

$$39 + 3 = \square$$

Fly does $39 + 1 = 40$

Then $+ 2$ $39 + 3 = 42$