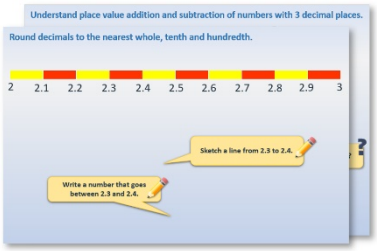
Week 13, Day 2

How many to the next 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.



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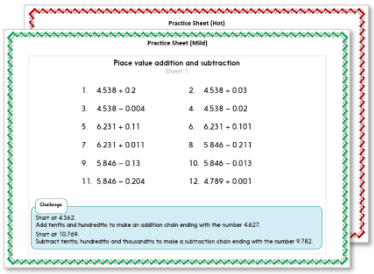
2. Tackle the questions on the **Practice Sheet**. There might be a choice of either Mild (easier) or Hot (harder)! Check the answers.



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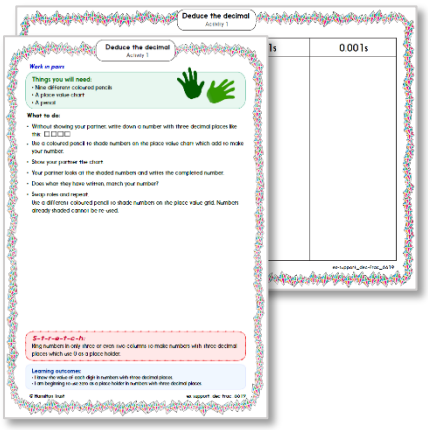
3. Finding it tricky? That's OK… have a go with a grown-up at **A Bit Stuck?**



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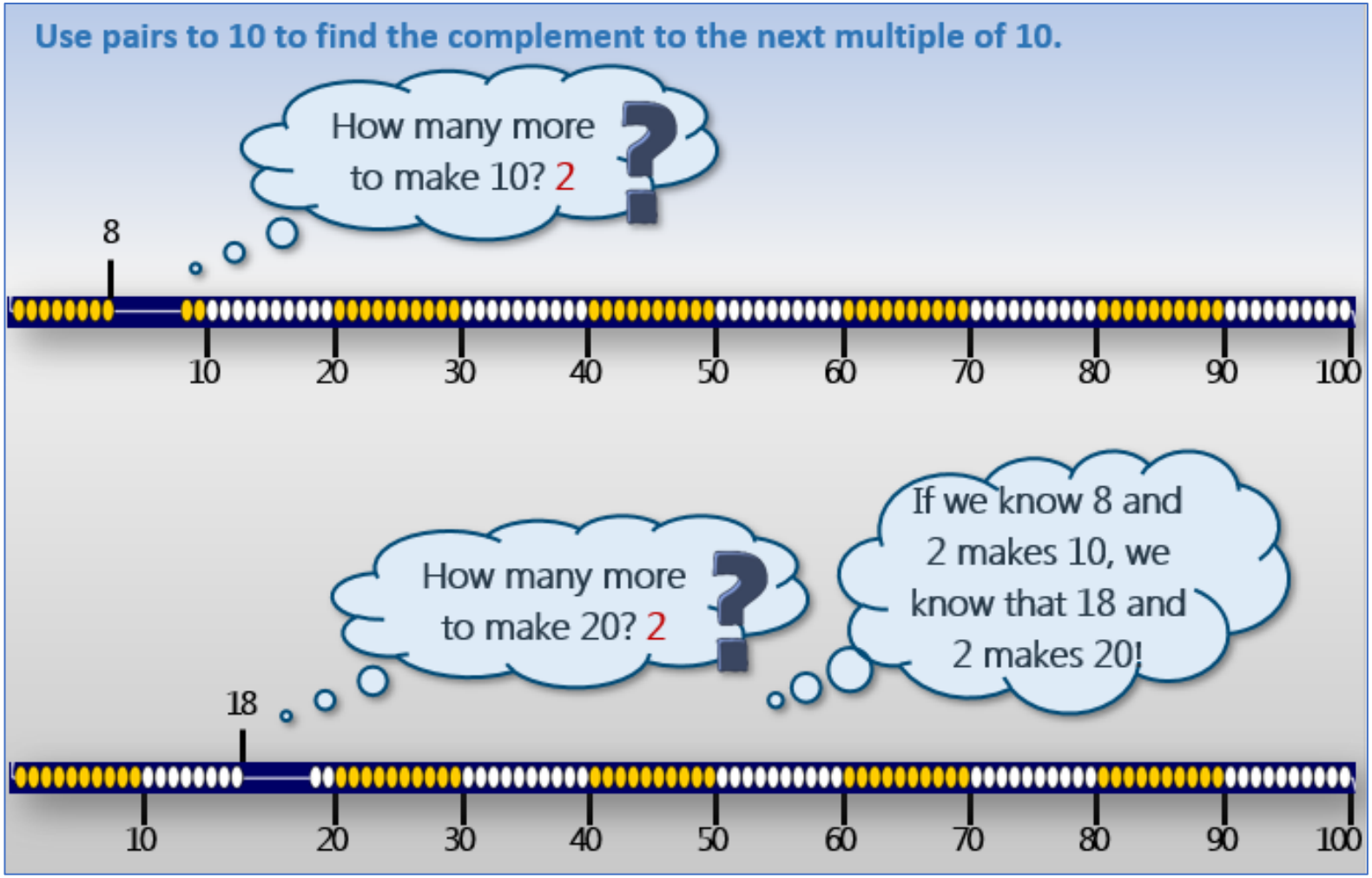
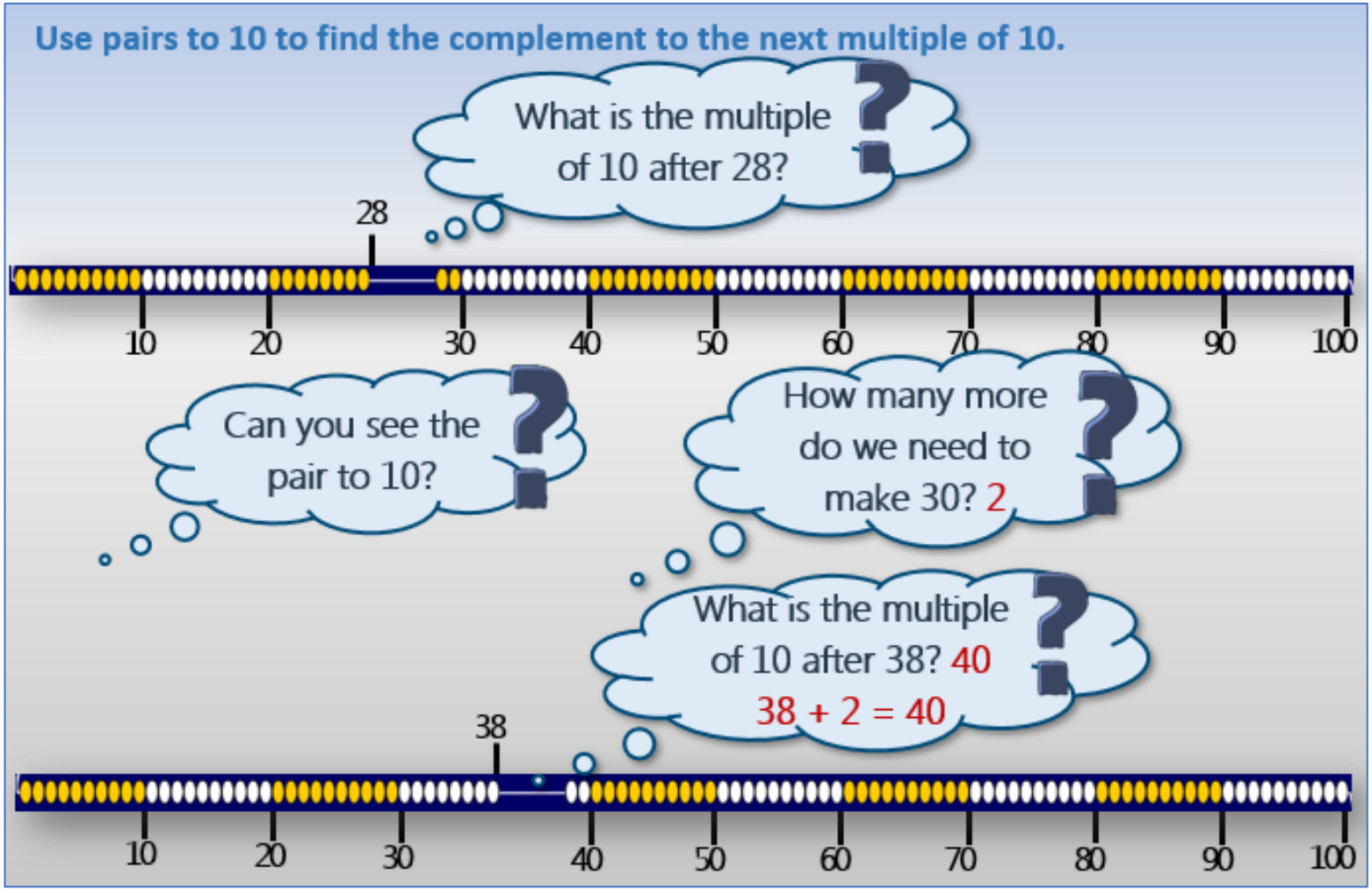
4. Think you've cracked it? Whizzed through the Practice Sheets? Have a go at the **Investigation**…

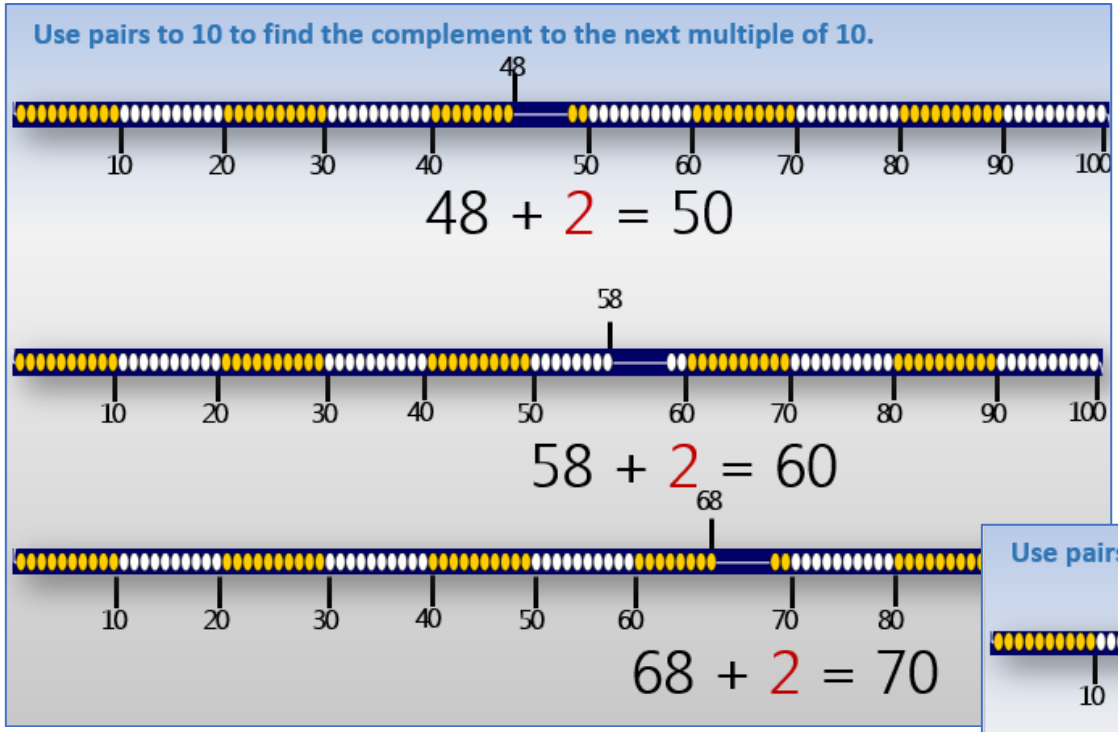
Learning Reminders

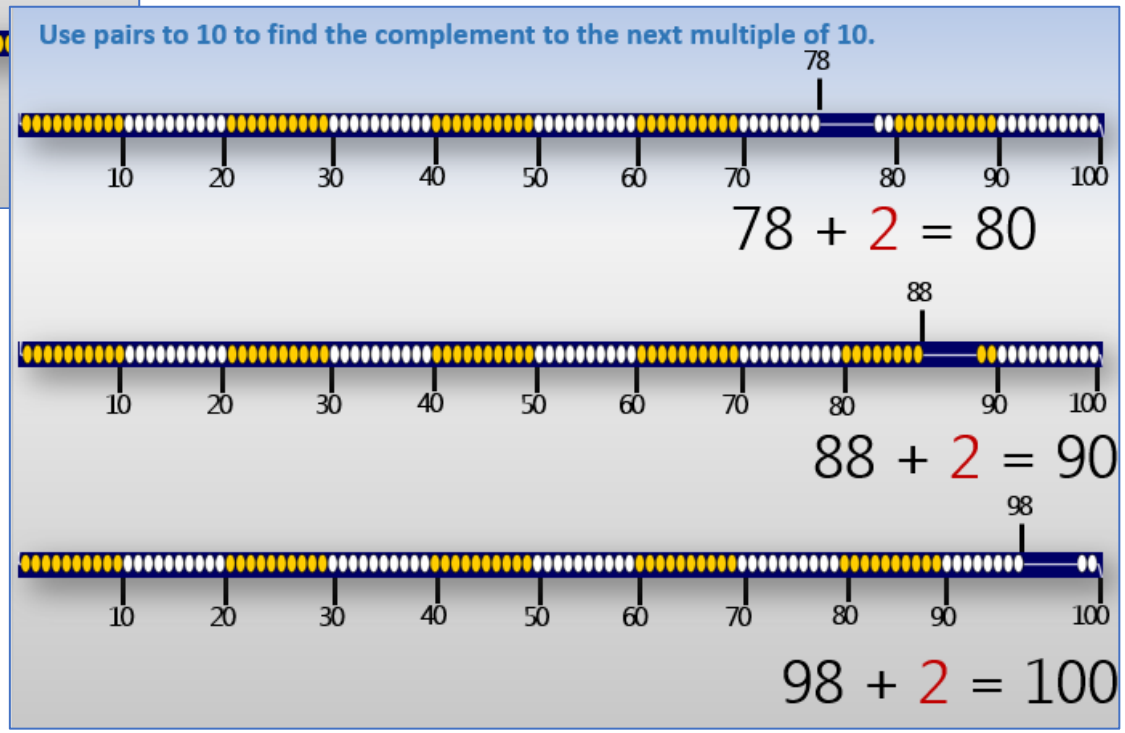


Learning Reminders



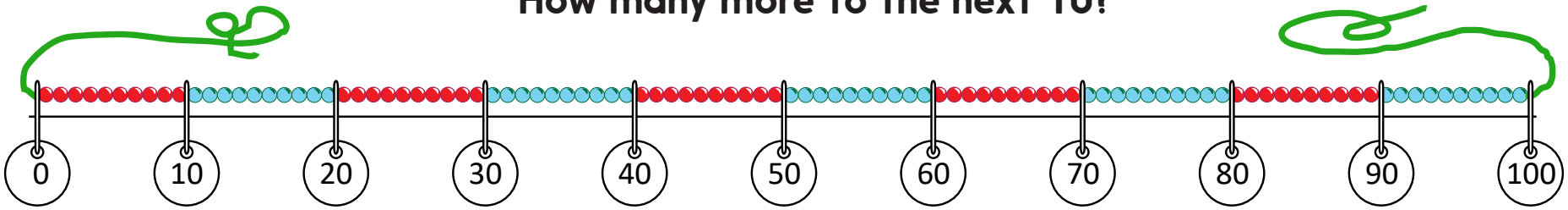
Learning Reminders





Practice Sheet Mild

How many more to the next 10?



45 + ☐ = 50	65 + ☐ = 70	85 + ☐ = 90
27 + ☐ = 30	47 + ☐ = 50	67 + ☐ = 70
34 + ☐ = 40	54 + ☐ = 60	74 + ☐ = 80
13 + ☐ = 20	43 + ☐ = 50	93 + ☐ = 100

Challenge

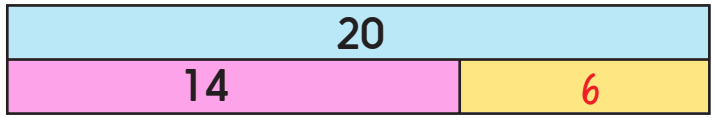
Write four more number sentences where the answer is a multiple of 10.

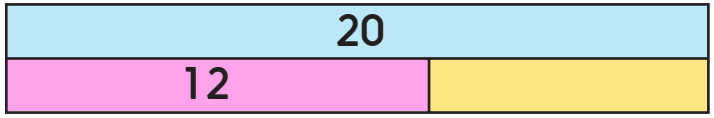
Practice Sheet Hot

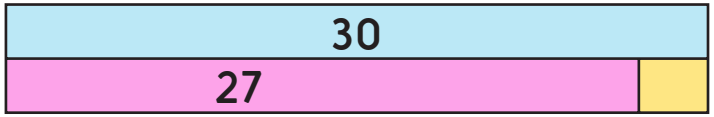
How many to the next 10?

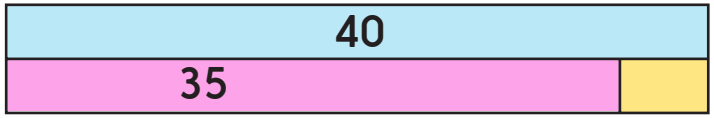
Look at the bar models and work out the missing numbers.
Don't forget to use number bonds to help!

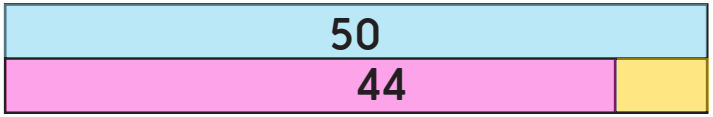
e.g.

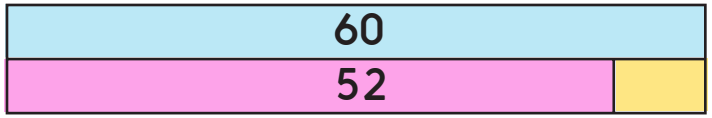


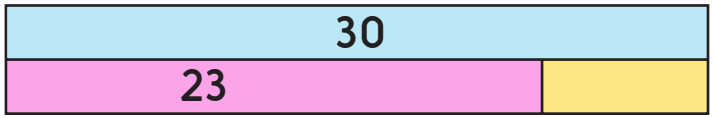


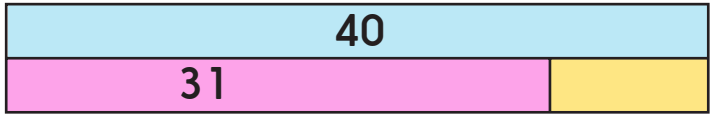


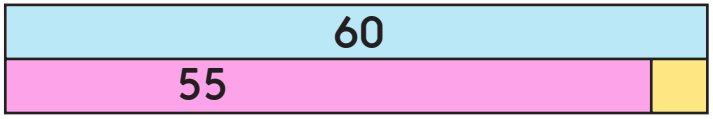


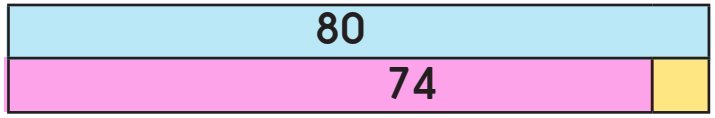


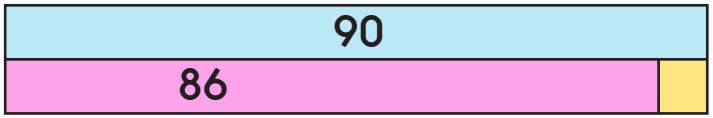












Practice Sheet Answers

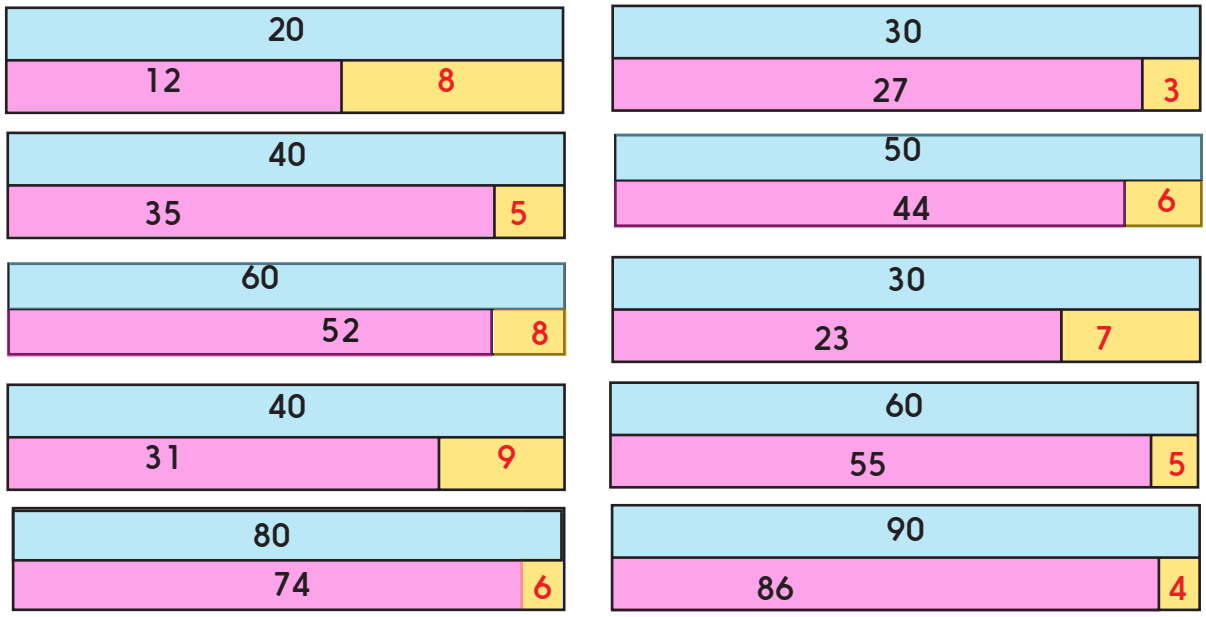
Practice Sheet (Mild)

45 + 5 = 50
27 + 3 = 30
34 + 6 = 40
13 + 7 = 20

65 + 5 = 70
47 + 3 = 50
54 + 6 = 60
43 + 7 = 50

85 + 5 = 90
67 + 3 = 70
74 + 6 = 80
93 + 7 = 100

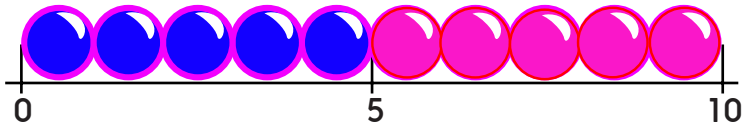
Practice Sheet (Hot)



A Bit Stuck?
Mystery sums

Work in pairs

Things you will need:
- Beaded line
- Mystery sums
- A pencil



What to do:

- Choose a mystery sum.
- Find the first number in the sum on your beaded line.
- How many more beads are needed to make 10?
  So, what is the mystery number? Write it in the box.
- Fill in as many mystery sums as you can.

S-t-r-e-t-c-h:
Take it in turns to choose a mystery sum.
Guess what number needs to go in the box.
Your partner checks with the beaded line.
How many can you guess correctly?

Learning outcomes:
- I can find how many more are needed to make 10.
- I am beginning to know some pairs to 10 by heart.

A Bit Stuck?
Mystery sums

$9 + \square = 10$

$7 + \square = 10$

$4 + \square = 10$

$5 + \square = 10$

$8 + \square = 10$

$10 + \square = 10$

$6 + \square = 10$

$1 + \square = 10$

$3 + \square = 10$

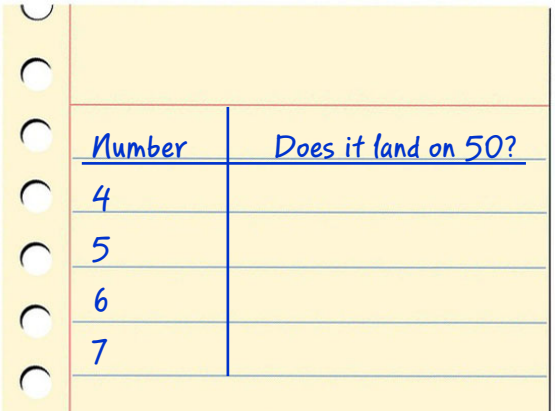
$2 + \square = 10$

Investigation
10 to 50 challenge

1. Start at 10 and add 5, again and again until you reach 50.
   Use a beaded line to help.

2. This time start at 10 and add 6 again and again until you reach/pass 50.
   Did you land on 50 this time?

3. Investigate which numbers from 4, 5, 6 and 7, you can add repeatedly to 10 to land EXACTLY on 50.



Number	Does it land on 50?
4	
5	
6	
7	

4. Record with ticks and crosses which numbers from 4 to 7 'work'.

Do you see any patterns in the sequence of numbers when adding that you can use to help?

Which numbers could you subtract repeatedly from 50 and land exactly on 10?

Do you need to work out the subtractions?

Challenge

Start on 10, and choose your own multiple of 10 to finish on. Which numbers can you repeatedly add to land EXACTLY on your target numbers.
Can you guess any before you start? Which number always works whichever target multiple of 10 you choose?

Investigation

10 to 50 challenge