

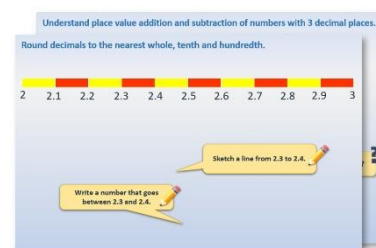
Week 14, Day 3

Subtract, bridging 10 (2)

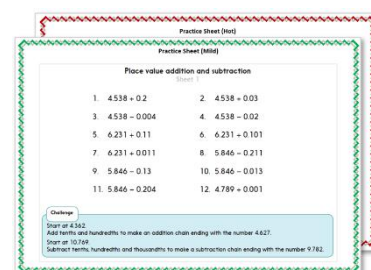
Each day covers one maths topic. It should take you about 1 hour or just a little more.

1. Start by reading through the **Learning Reminders**.

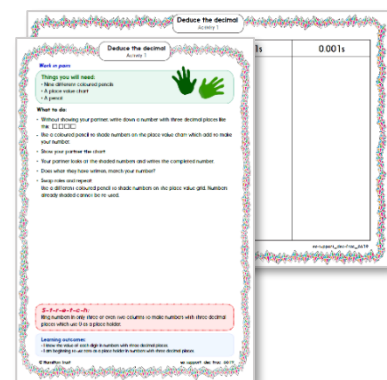
It might also be helpful to watch this short video on [Key Stage 1 Subtraction Strategies](#) from Prof. Ruth Merttens.



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...**

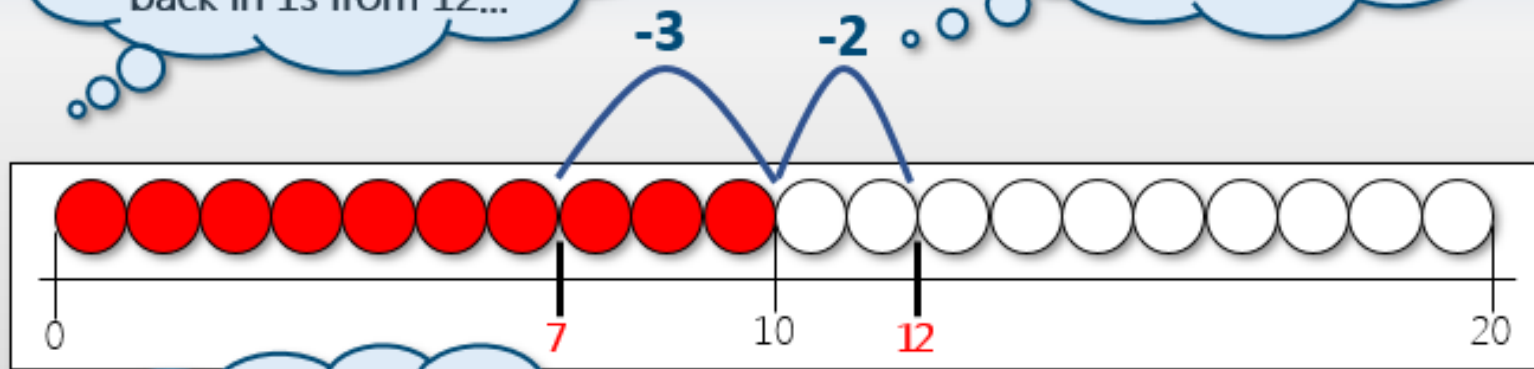
Learning Reminders

Subtracting, bridging 10.

$$12 - 5$$

We could work this out by counting back in 1s from 12...

But we are going to **bridge 10**.



How many do we need to take away to reach 10? **2**

And how many do we still need to take away? **3**

$$12 - 5 = 7$$

Learning Reminders

Subtracting, bridging 10.

Imagine you are going to take away 6 beads from 14.

$14 - 6$

How many of the 6 beads will be white? 4
And how many will be red? 2

How many do we need to take away to reach 10? 4

And how many do we still need to take away? 2

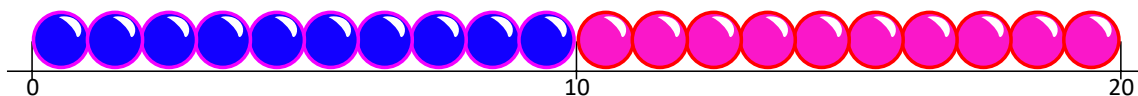
$14 - 6 = 8$

Practice Sheet Mild

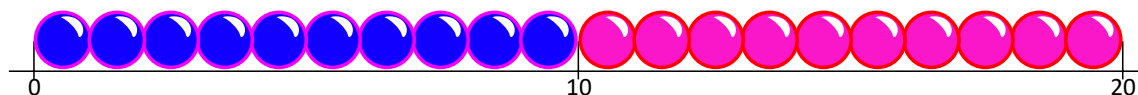
Land on 10

Answer the subtractions using the beaded number lines.
Remember to 'bridge 10' each time.

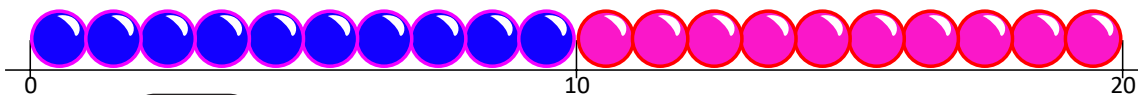
$$14 - 4 = \square \quad 10 - 2 = \square \quad \text{So, } 14 - 6 = \square$$



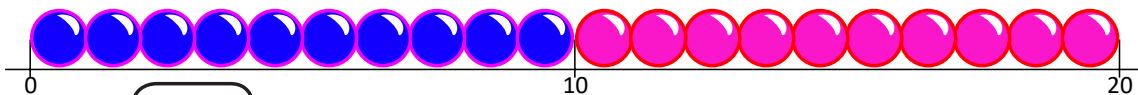
$$15 - 5 = \square \quad 10 - 3 = \square \quad \text{So, } 15 - 8 = \square$$



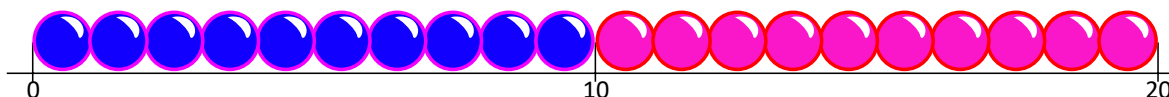
$$12 - 5 = \square$$



$$13 - 6 = \square$$



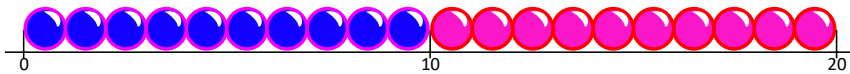
$$16 - 8 = \square$$

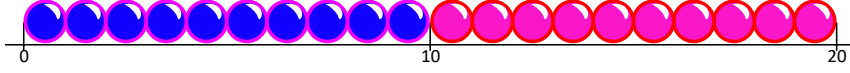


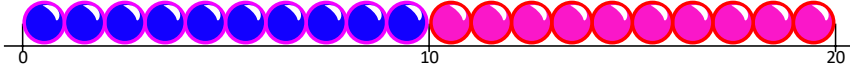
Practice Sheet Hot

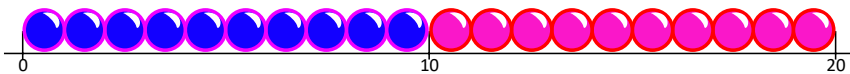
Land on 10

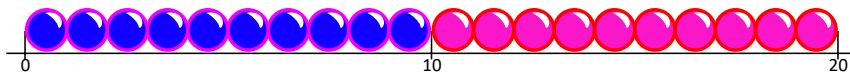
Answer the subtractions using the beaded number lines.
Remember to 'bridge 10' each time.

$14 - 6 = \square$ 


$15 - 8 = \square$ 


$17 - 9 = \square$ 

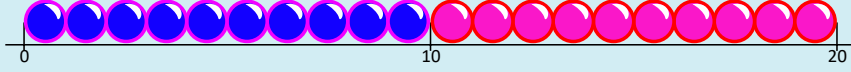
$13 - 7 = \square$ 

$12 - 6 = \square$ 

Challenge

$\square - 8 = 8$ 

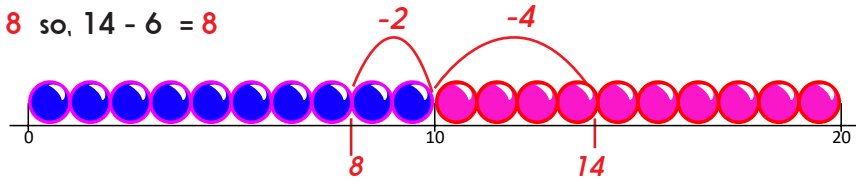
$17 - \square = 9$ 

$\square - 6 = 5$ 

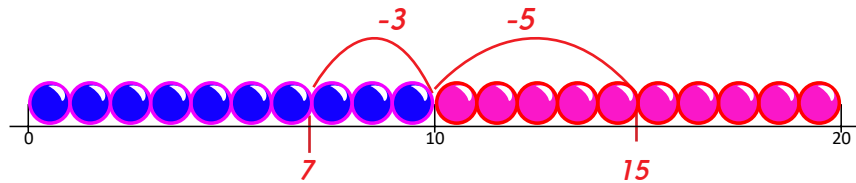
Practice Sheets Answers

Land on 10 subtraction (mild)

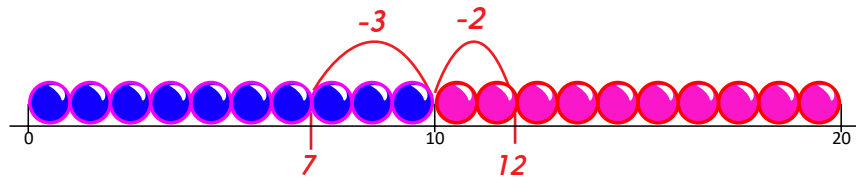
$14 - 4 = 10$ $10 - 2 = 8$ so, $14 - 6 = 8$



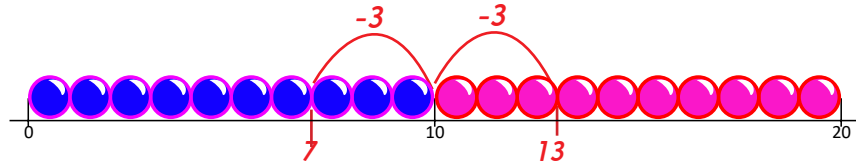
$15 - 5 = 10$ $10 - 3 = 7$ so, $15 - 8 = 7$



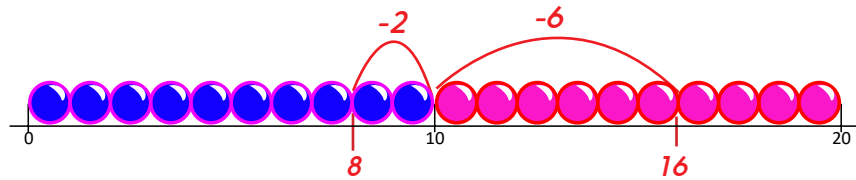
$12 - 5 = 7$



$13 - 6 = 7$

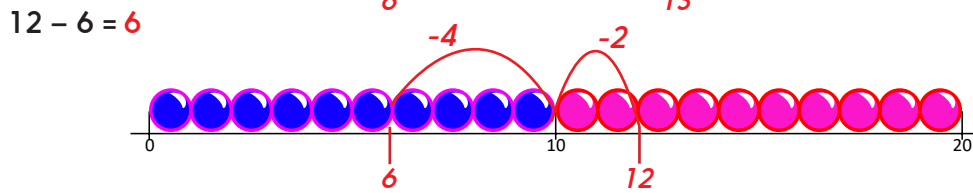
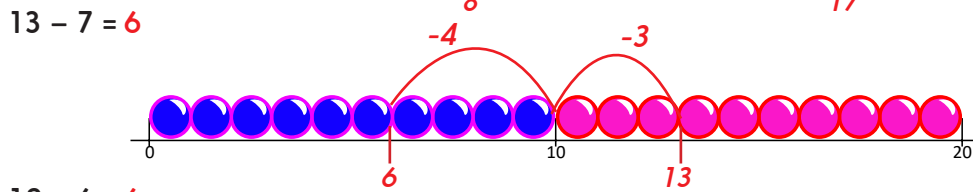
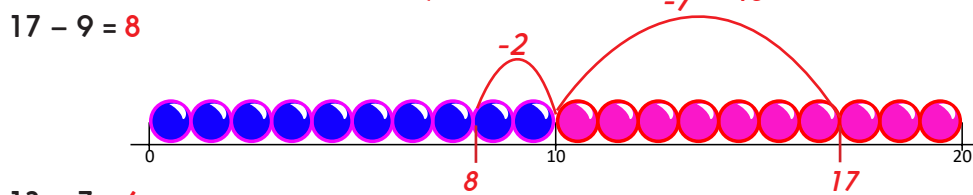
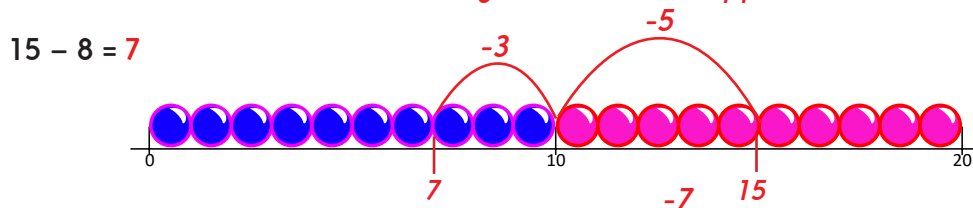
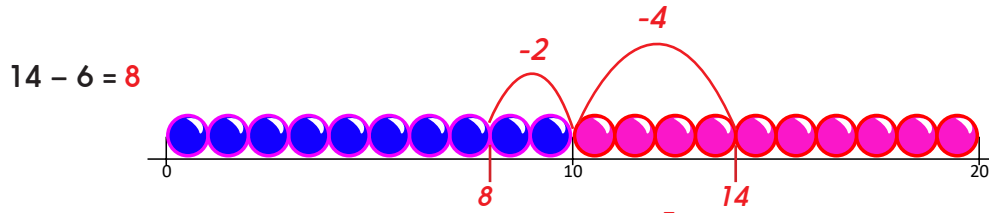


$16 - 8 = 8$



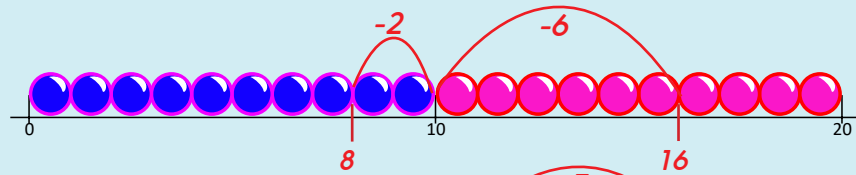
Practice Sheets Answers Continued

Land on 10 subtraction (hot)

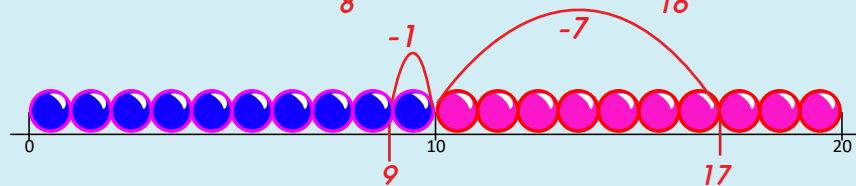


Challenge

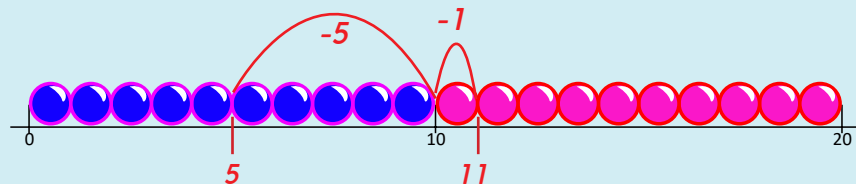
$16 - 8 = 8$



$17 - 8 = 9$



$11 - 6 = 5$

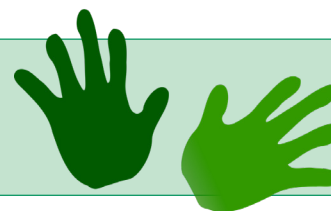


A Bit Stuck? Teens test

Work in pairs

Things you will need:

- 10p and 1p coins



What to do:

- Make 14p using a 10p coin and pennies



- Now take away the pennies. What do you have left? $14\text{p} - 4\text{p} =$
- Choose a number between 10 and 20.
- Make that number using a 10p coin and pennies.
- Take away the pennies.
- Write the subtraction.
- Repeat four more times.
- Do you know, or can you guess any answers before you take away the pennies?

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

Now have a go at solving these missing-number subtractions!

$$18 - 8 = \square$$

$$15 - 5 = \square$$

$$12 - \square = 10$$

$$14 - \square = 10$$

$$\square - 3 = 10$$

$$\square - 6 = 10$$

Investigation


Will they bridge 10?

Which of these subtractions will bridge 10?
Circle those you think will have an answer less than 10.

$11 - 4 =$ $12 - 6 =$ $15 - 3 =$ $18 - 9 =$


$13 - 7 =$ $16 - 4 =$ $17 - 8 =$

Create two subtraction number sentences using the numbers below.
One must bridge 10 the other must not.

 $13 - \square =$


7 1 3 5 8

$13 - \square =$

 $15 - \square =$


6 8 2 4 7

$15 - \square =$

 $14 - \square =$

3 8 2 4 7

$14 - \square =$

 $17 - \square =$

9 8 5 4 7

$17 - \square =$

How do you tell whether a subtraction will, or will not, bridge 10?
Try to explain it to your maths partner.

Investigation Answers

Will they bridge 10?

$$11 - 4 = 7$$

$$12 - 6 = 6$$

$$15 - 3 = 12$$

$$13 - 7 = 6$$

$$16 - 4 = 12$$

$$17 - 8 = 9$$

$$18 - 9 = 9$$

Answers that bridge 10

$$13 - 7 = 6$$

$$13 - 5 = 8$$

$$13 - 8 = 5$$

$$15 - 6 = 9$$

$$15 - 8 = 7$$

$$15 - 7 = 8$$

$$14 - 8 = 6$$

$$14 - 7 = 7$$

$$17 - 9 = 8$$

$$17 - 8 = 9$$

Answers that do not bridge 10

$$13 - 1 = 12$$

$$13 - 3 = 10$$

$$15 - 2 = 13$$

$$15 - 4 = 11$$

$$14 - 3 = 11$$

$$14 - 2 = 12$$

$$14 - 4 = 10$$

$$17 - 5 = 12$$

$$17 - 4 = 13$$

$$17 - 7 = 10$$