

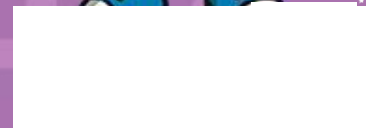


Maths

Addition and Subtraction

Need a coherently planned sequence of lessons to complement this resource?

Subtract Across Ten



Aim

- To subtract across 10.

Success Criteria

- I can recall number facts of 10.
- I can use ten-frames to subtract across ten.
- I can use part-whole models to subtract across ten.

Remember It



Use number facts to subtract from ten.
Pick a piece of fruit and hold up your fingers to show the missing part.

 $10 - 2 = \boxed{8}$

 $10 - 5 = \boxed{5}$

 $10 - 3 = \boxed{7}$

 $10 - 8 = \boxed{2}$

 $10 - 9 = \boxed{1}$

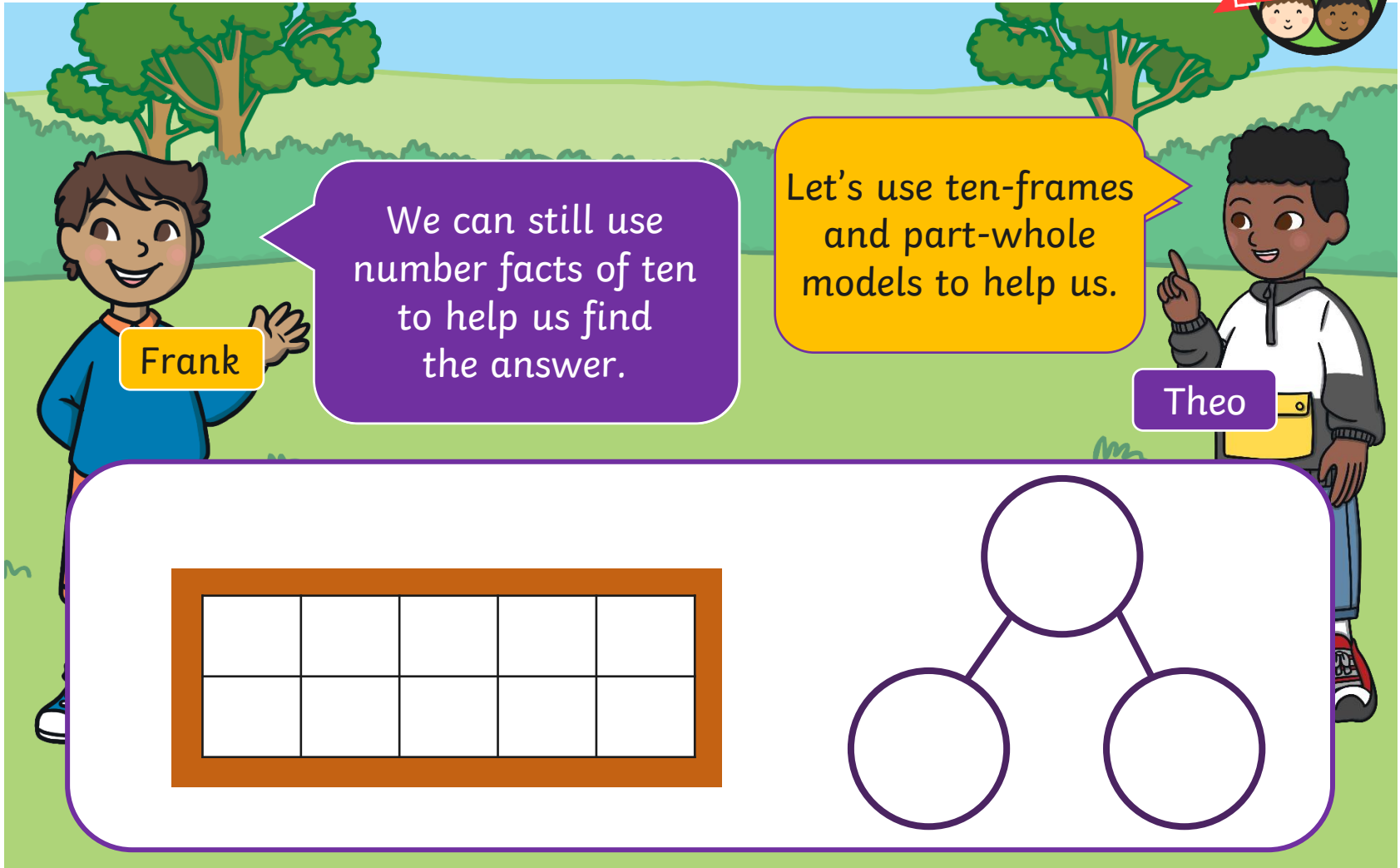
 $10 - 6 = \boxed{4}$

 $10 - 4 = \boxed{6}$

 $10 - 7 = \boxed{3}$

Click on the fruit to reveal the answer.

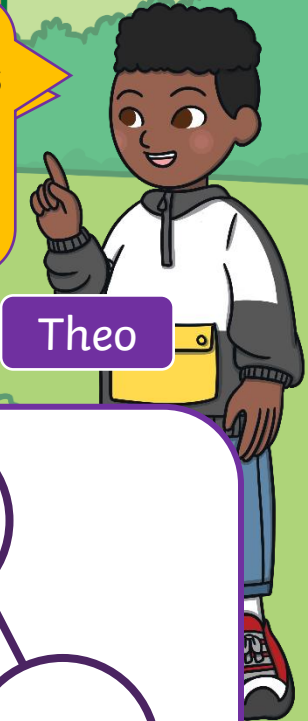
Buy It



Frank

We can still use number facts of ten to help us find the answer.

Let's use ten-frames and part-whole models to help us.



Theo

Buy It

Whole Class

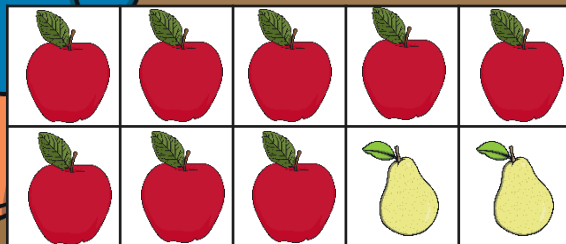
Frank and Theo are selling fruit. Each box can hold ten pieces.

Empty a ten-frame before taking fruit out of another one.

$$14 - 6 = 8$$

I know that 6 is a 4 and a 2. So I'll take 4 from here, then I'll take 2 from the other ten-frame.

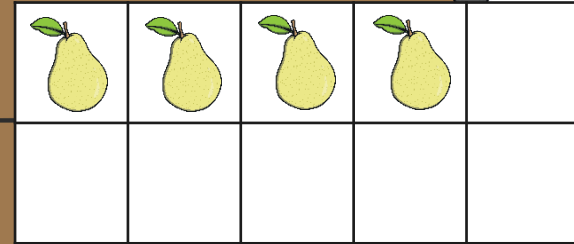
Frank



$$14 - 4 = 10$$

$$10 - 2 = 8$$

Theo



They subtracted to the nearest ten, then subtracted the other part.

Buy It

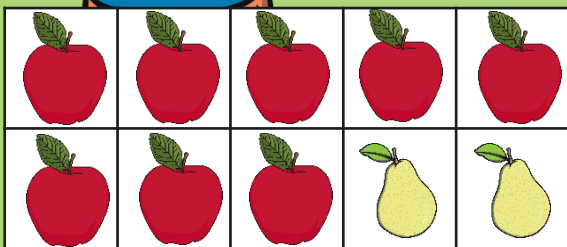


They subtracted to the nearest ten, then subtracted the other part.

$$14 - 6 = 8$$

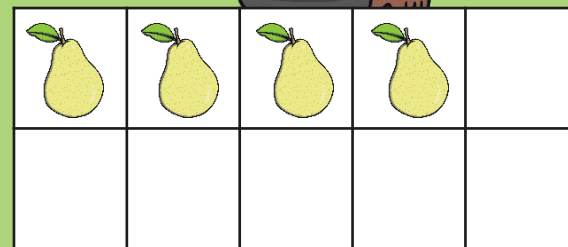
4

2



$$14 - 4 = 10$$

$$10 - 2 = 8$$



Buy It

Whole Class

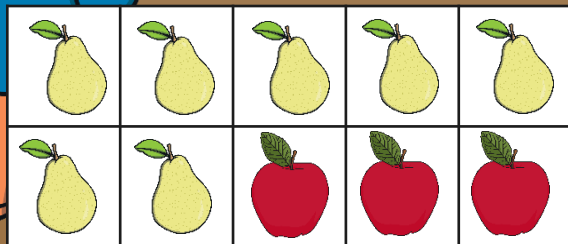
Frank and Theo are selling fruit. Each box can hold ten pieces.

Empty a ten-frame before taking fruit out of another one.

$$12 - 5 = 7$$

I know that 5 is a 3 and a 2. So I'll take 2 from here, then I'll take 3 from the other ten-frame.

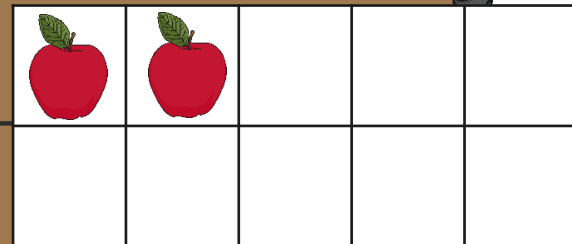
Frank



$$12 - 2 = 10$$

$$10 - 3 = 7$$

Theo



They subtracted to the nearest ten, then subtracted the other part.

Buy It

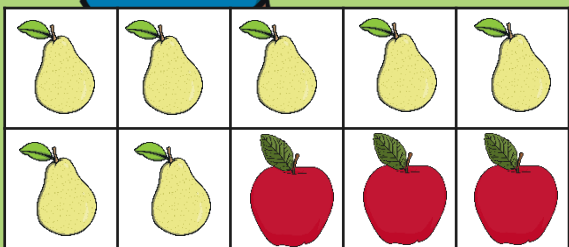
Whole Class

They subtracted to the nearest ten, then subtracted the other part.

$$12 - 5 = 7$$

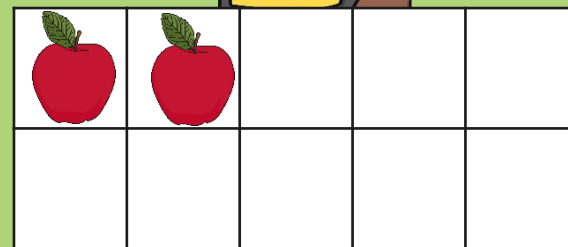
2

3



$$12 - 2 = 10$$

$$10 - 3 = 7$$



Buy It

Whole Class

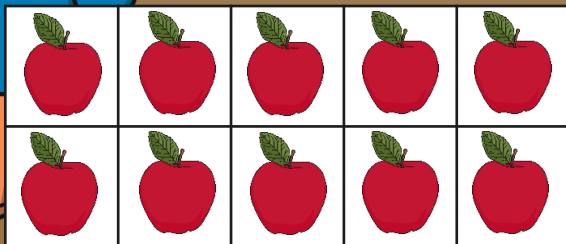
Frank and Theo are selling fruit. Each box can hold ten pieces.

Empty a ten-frame before taking fruit out of another one.

$$13 - 8 = 5$$

I know that 8 is a 3 and a 5. So I'll take 3 from here, then I'll take 5 from the other ten-frame.

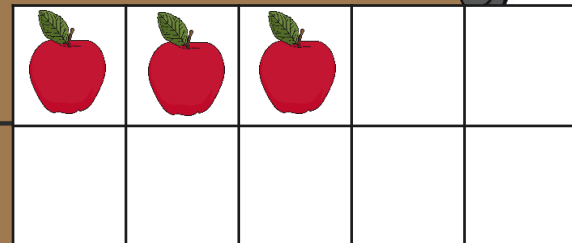
Frank



$$13 - 3 = 10$$

$$10 - 5 = 5$$

Theo



They subtracted to the nearest ten, then subtracted the other part.

Buy It

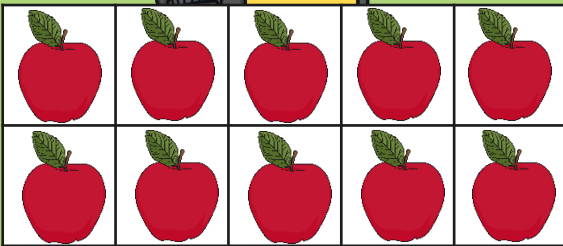
Whole Class

They subtracted to the nearest ten, then subtracted the other part.

$$13 - 8 = 5$$

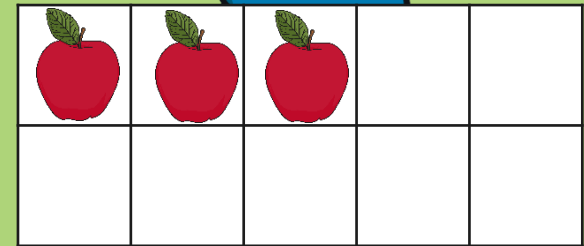
3

5



$$13 - 3 = 10$$

$$10 - 5 = 5$$



Buy It

Whole Class

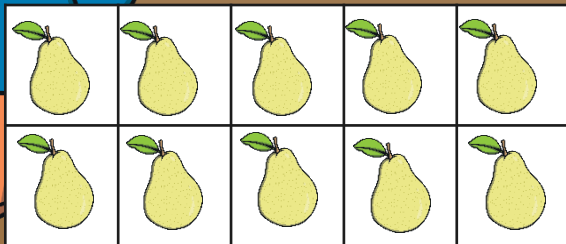
Frank and Theo are selling fruit. Each box can hold ten pieces.

Empty a ten-frame before taking fruit out of another one.

$$15 - 9 = 6$$

I know that 9 is a 5 and a 4. So I'll take 5 from here, then I'll take 4 from the other ten-frame.

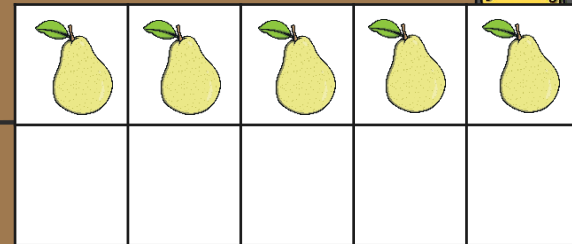
Frank



$$15 - 5 = 10$$

$$10 - 4 = 6$$

Theo



They subtracted to the nearest ten, then subtracted the other part.

Buy It

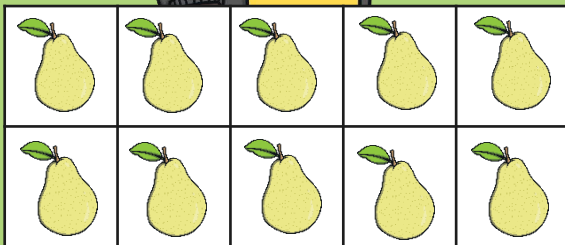
Whole Class

They subtracted to the nearest ten, then subtracted the other part.

$$15 - 9 = 6$$

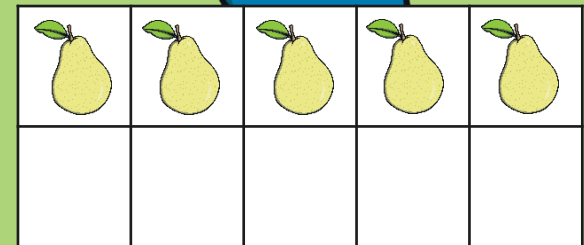
5

4



$$15 - 5 = 10$$

$$10 - 4 = 6$$



Try It



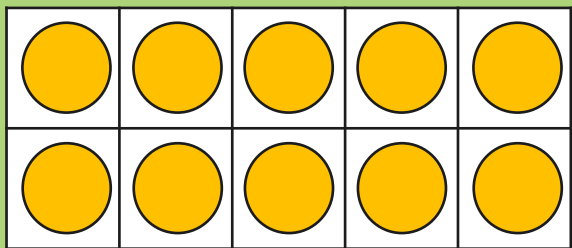
Find 11 counters.

$$11 - 2 = 9$$

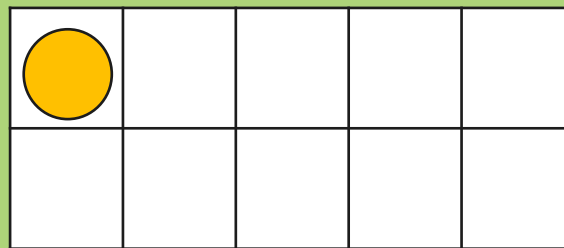
1

1

Fill this ten-frame with 10 counters.



Put the other counter here.



There's only 1 counter in this ten-frame. How many should we take from the other ten-frame to make 2? How many counters are left?

Try It

Whole Class

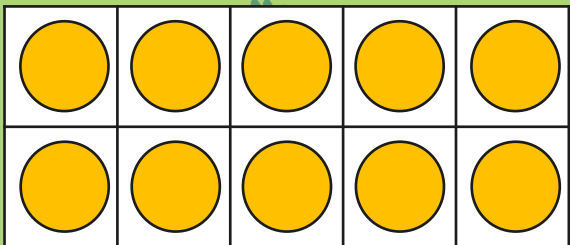
How many counters do you need to start with?

$$14 - 7 = 7$$

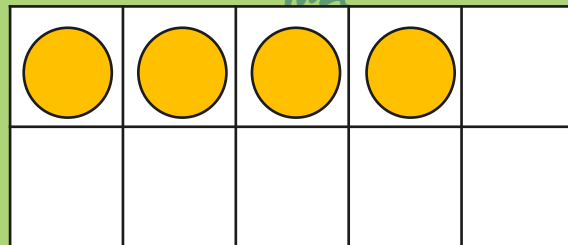
4

3

Fill this
ten-frame first.



How many more do
you have to put here?



↑ How many do you need to take away? ↑
How many counters can you take from this ten-frame?
How many will you need to take from this ten-frame?
How many counters are left?

Try It

Whole Class

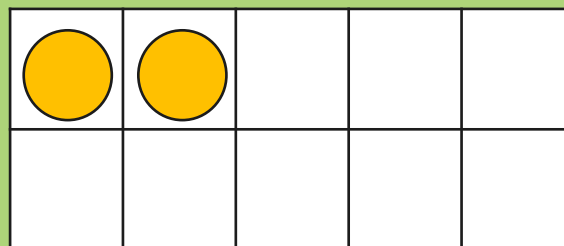
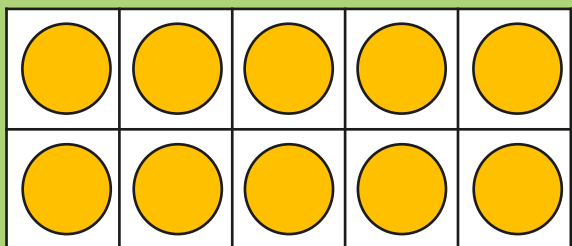
How many counters do you need to start with?

$$12 - 4 = 8$$

2

2

Where do the counters go?



Which ten-frame will you empty first?

What will you do next?

How many counters are left?

Subtract Across 10 Activity Sheets



Subtract Across 10

I can subtract across 10.

Use the part-whole models and ten-frames to subtract the numbers.



Cross out the pictures of fruit as you subtract them.

Fresh Fruit

$18 - 9 = \square$

8 1

Fresh Fruit

$16 - 8 = \square$

6 2

Fresh Fruit

$11 - 6 = \square$

Fresh Fruit

$13 - 7 = \square$

10

Fresh Fruit

$6 - 7 = \square$

Fresh Fruit

$6 = \square$

10

Fresh Fruit

act the numbers.

$3 - 7 = \square$

3 4

Fresh Fruit

$4 - 9 = \square$

4 5

10

Fresh Fruit

$4 - 8 = \square$

Fresh Fruit

$7 = \square$

10

Fresh Fruit

act the numbers.

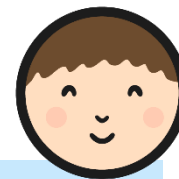
$4 - 5 = \square$

4 1

Fresh Fruit

$2 - 6 = \square$

Diving into Mastery



Dive in by completing your own activity!



Subtract Across 10

Customers have ordered fruit to collect.

Help us pack the bags of fruit. How much fruit will we have left?

Fresh Fruit $13 - 6 = \square$
6 apples

Fresh Fruit $12 - 4 = \square$
4 pears

We have 11 apples left to sell. I want to buy 5 to take home.

How many would be left?

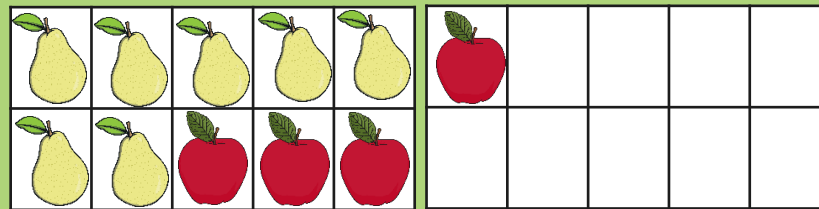
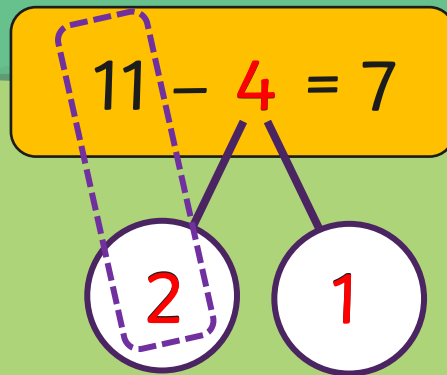
$\square - \square = \square$

or
tons
out?

Check It



Frank and Theo are learning how to subtract with part-whole models and ten-frames. Can you spot their mistakes?

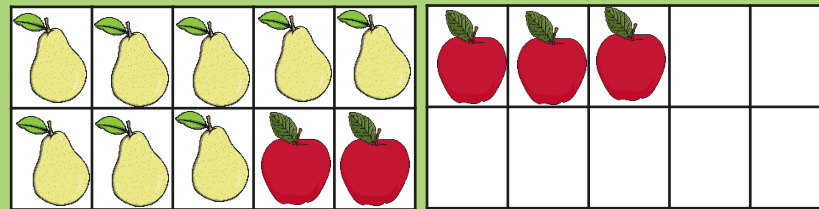
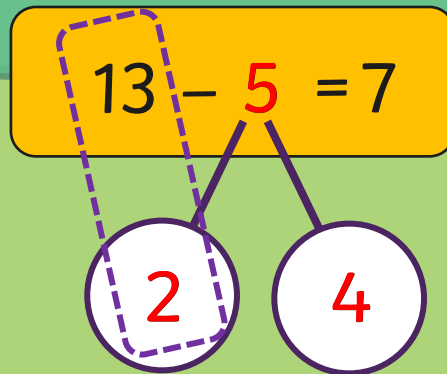


What could they practise to help with their learning?
Practising number facts would help Frank and Theo.

Check It



Frank and Theo are learning how to subtract with part-whole models and ten-frames. Can you spot their mistakes?



What could they practise to help with their learning?
Practising number facts would help Frank and Theo.

Aim



- To subtract across 10.

Success Criteria

- I can recall number facts of 10.
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