



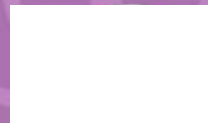
Maths

Addition and Subtraction

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



Subtract Two 2-Digit Numbers, Not Crossing 10



Aim

- To subtract two 2-digit numbers, not crossing 10.

Success Criteria

- I can use number facts to subtract two 2-digit numbers, not crossing 10.
- I can use a number line to subtract two 2-digit numbers, not crossing ten.

Remember It



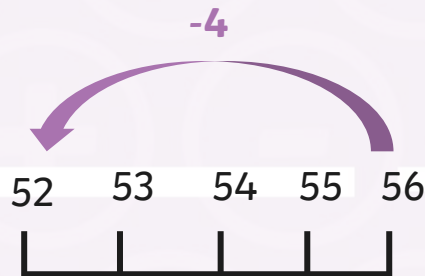
The class is raising funds for charity. Flynn is selling cakes.

Or we could use an empty number line.
Start on 56 and count back 4.

What could we do to
find the answer?



$$56 - 4 = 52$$



Remember It

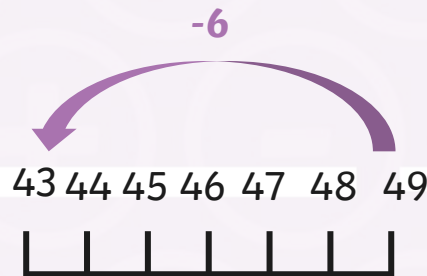


How could we use an empty number line?

What could we do to find the answer?



$$49 - 6 = 43$$



Remember It



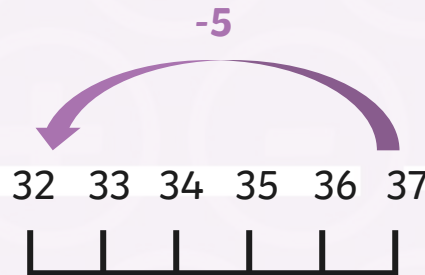
Can you think of a number fact that

What would this look like on an empty number line?

What could we do to find the answer?



$$37 - 5 = 32$$



Remember It



Use number facts or a number line to subtract the ones.

$$95 - 4 = 91$$

$$86 - 3 = 83$$

$$78 - 6 = 72$$



Which strategy did you use?
Is there another strategy you could use?

Remember It



The class is raising funds for charity. Max is selling raffle tickets.

Or we could use an empty number line.
Start on 90 and count back 1 step of 10.

Can you work out $90 - 10$.

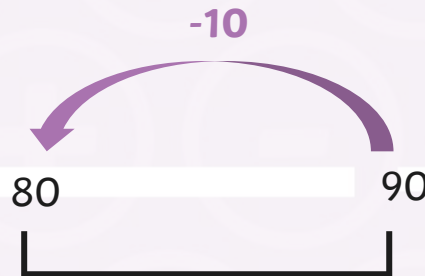
What could we do to
find the answer?

RAFFLE



WIN GREAT
PRIZES!

$$90 - 10 = 80$$



Remember It



I bought some of the tickets

Do you know a number fact that

How could I use an empty number line to find the answer?

What could we do to find the answer?

RAFFLE



WIN GREAT PRIZES!

$$78 - 20 = 58$$



Remember It



I lost some tickets

Can you use number facts to find

How could I use an empty number line to find the answer?

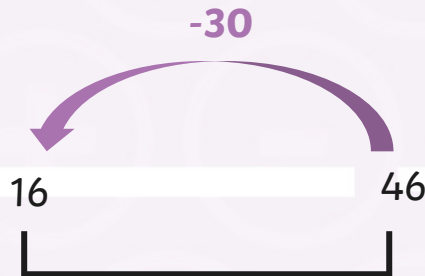
What could we do to find the answer?

RAFFLE



WIN GREAT PRIZES!

$$46 - 30 = 16$$



Remember It



Use number facts or a number line to subtract tens.

$$86 - 10 = 76$$

$$57 - 20 = 37$$

$$64 - 30 = 34$$



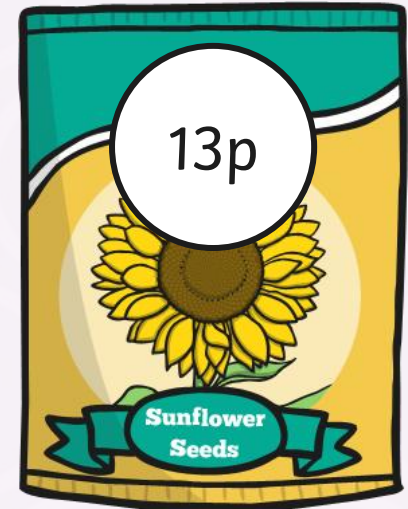
Which strategy did you use?
Is there another strategy to answer
the questions?

Buying Seeds

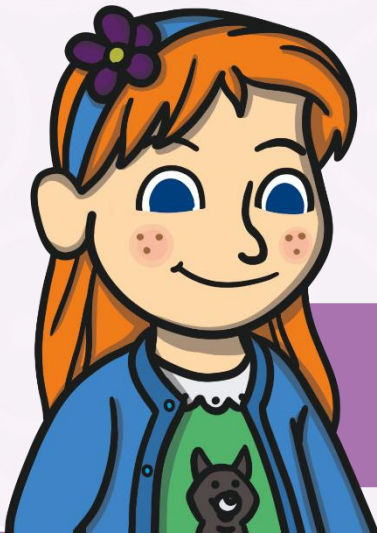


Aima is going to use some money to buy a packet of seeds.

We can grow the seeds and sell the flowers.



How much money will be left?
Use number facts or number lines to find out.



Buying Seeds



Tens

I know:

$$4 - 1 = 3$$

so

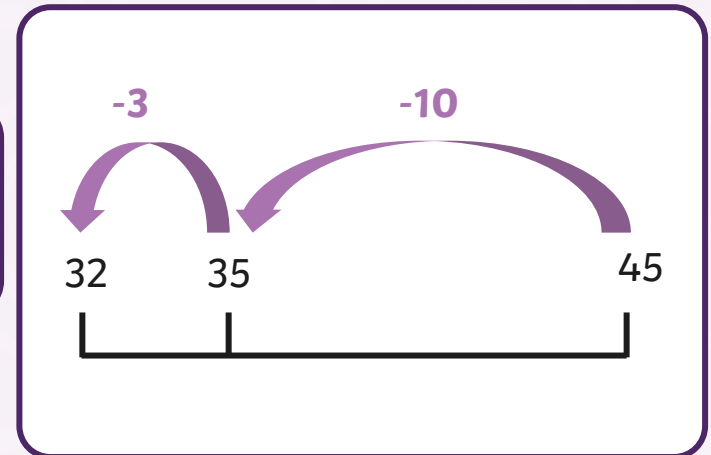
$$40 - 10 = 30$$

$$45p - 13p = 32p$$

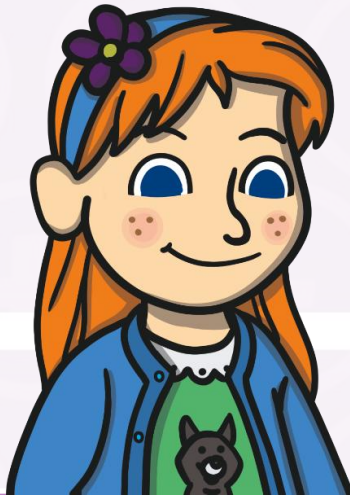
Ones

I know:

$$5 - 3 = 2$$



We will have 32p left.

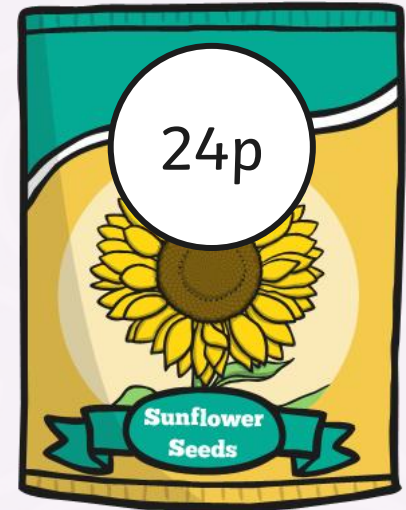
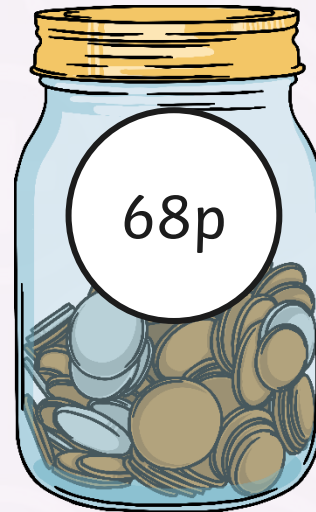
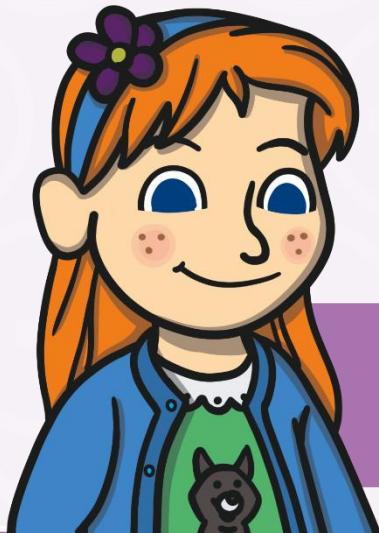


Buying Seeds



Aima is buying more seeds.

We can grow more flowers.



How much money will be left?
Use number facts or number lines to find out.

Buying Seeds



Tens

I know:

$$6 - 2 = 4$$

so

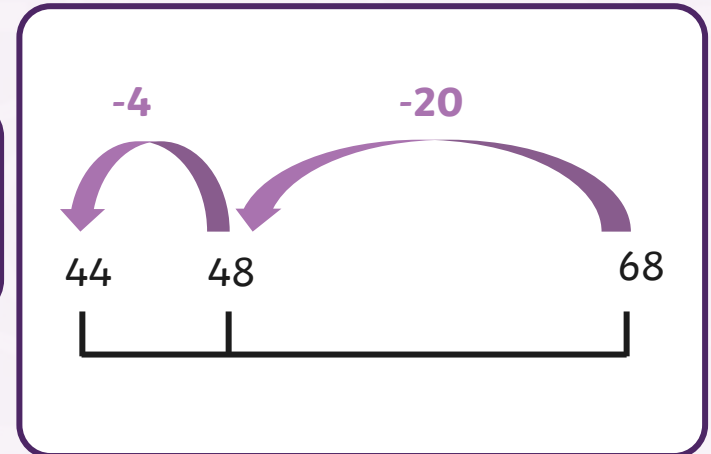
$$60 - 20 = 40$$

$$68p - 24p = 44p$$

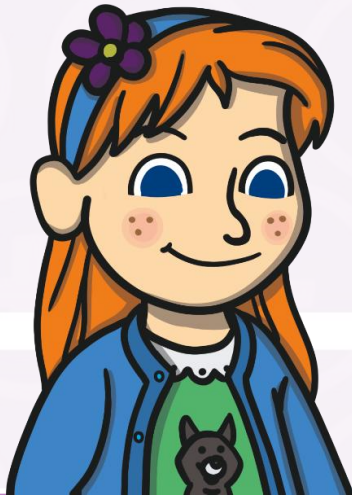
Ones

I know:

$$8 - 4 = 4$$



We will have 44p left.



Buying Seeds



Samir will buy seeds too.



We can plant the seeds and grow carrots to sell.



How much money will be left?
Use number facts or number lines to find out.

Buying Seeds



Tens

I know:

$$5 - 1 = 4$$

so

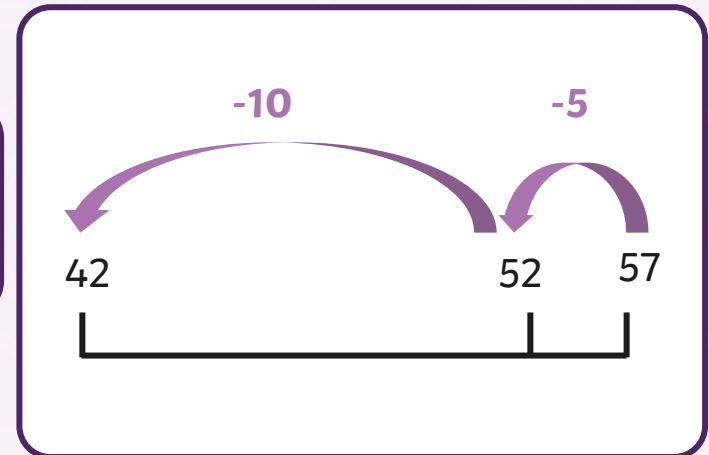
$$50 - 10 = 40$$

$$57p - 15p = 42p$$

Ones

I know:

$$7 - 5 = 2$$



We will have 42p left.

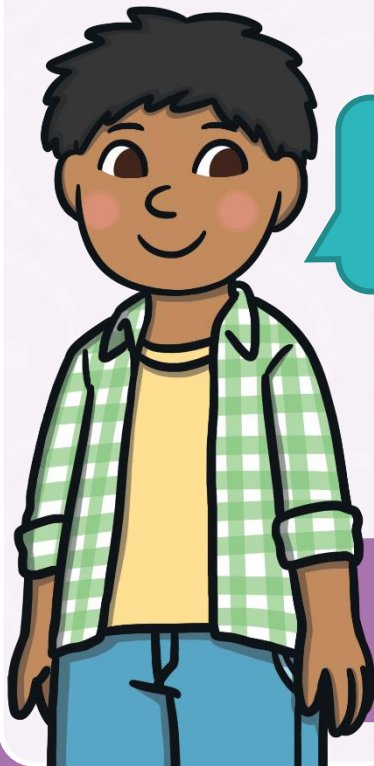


Aima subtracted the tens first.
I'll subtract the ones first.

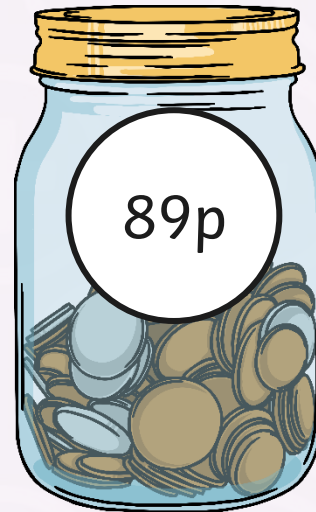
Buying Seeds



Samir is buying more seeds.



We can grow more carrots.



How much money will be left?
Use number facts or number lines to find out.

Buying Seeds



Tens

I know:

$$8 - 5 = 3$$

so

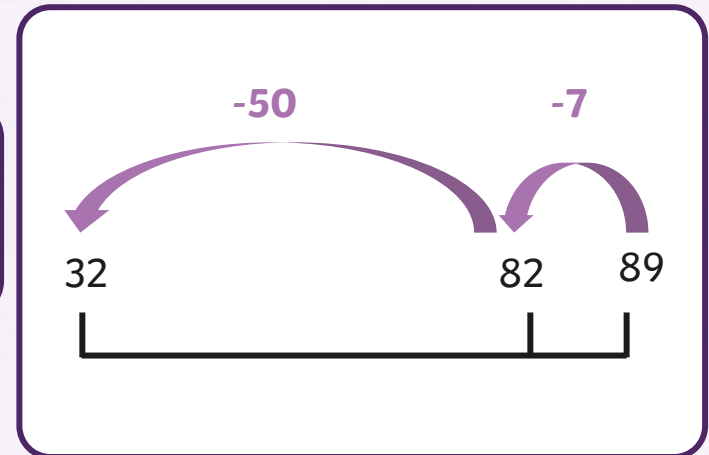
$$80 - 50 = 30$$

$$89p - 57p = 32p$$

Ones

I know:

$$9 - 7 = 2$$



We will have 32p left.



I'll subtract the ones first.

How Many Left?



How Many Left?

To subtract two 2-digit numbers, not crossing ten.

Use number facts and empty number lines to find the answers.

How many will I have left?



If $1 - 1 = 0$, then
 $10 - 10 = 0$ tens.

10 cakes $18 - 11 = \square$

10 cakes $23 - 12 = \square$

10 cakes $36 - 24 = \square$

10 cakes $47 - 25 = \square$

10 cakes $59 - 33 = \square$

How Many Left?

numbers, not crossing ten.

How many will I have left?



If $2 - 1 = 1$, then
 $20 - 10 = 10$.

act the tens first. $25 - 13 = \square$

$46 - 22 = \square$

act the ones first. $57 - 34 = \square$

$68 - 33 = \square$

subtract the tens or the ones first? $79 - 48 = \square$

How Many Left?

s, not crossing ten.

How many will I have left?



If $5 - 2 = 3$, then
 $50 - 20 = 30$.

act the tens first. $56 - 22 = \square$

act the ones first. $78 - 35 = \square$

act the tens or the ones first? $97 - 42 = \square$

$89 - 27 = \square$

$95 - 64 = \square$

Diving into Mastery

Dive in by completing your own activity!



Subtract Two 2-Digit Numbers, Not Crossing Ten



How much do we have left?



How much do we have left?

$45 - 12 = \square$

Base ten blocks representing 45 (4 tens rods and 5 ones units) and 12 (1 ten rod and 2 ones units) being removed. The remaining blocks represent 33.

-2 -10

A number line starting at 45. A green arrow points left from 45 to 35, labeled "-10". A second green arrow points left from 35 to 33, labeled "-2".

$57 - 24 = \square$

Base ten blocks representing 57 (5 tens rods and 7 ones units) and 24 (2 tens rods and 4 ones units) being removed. The remaining blocks represent 33.

$-$ $-$

A number line starting at 57. An orange arrow points left from 57 to 33, labeled "-24".

Or you could subtract the ones first.

$79 - 46 = \square$

Base ten blocks representing 79 (7 tens rods and 9 ones units) and 46 (4 tens rods and 6 ones units) being removed. The remaining blocks represent 33.

-40 -6

A number line starting at 79. A green arrow points left from 79 to 39, labeled "-40". A second green arrow points left from 39 to 33, labeled "-6".

$68 - 35 = \square$

Base ten blocks representing 68 (6 tens rods and 8 ones units) and 35 (3 tens rods and 5 ones units) being removed. The remaining blocks represent 33.

$-$ $-$

A number line starting at 68. An orange arrow points left from 68 to 33, labeled "-35".

na



na



59

A number line starting at 59.

th?

A number line starting at a circle.

be?

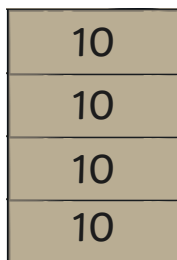
A number line starting at a circle.

Fundraising

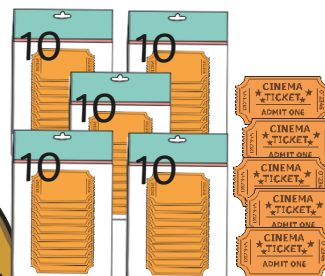


What do the friends have left to sell?
Use number facts and empty number lines to find out.

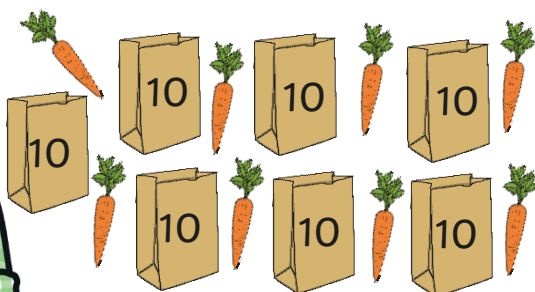
$$49 - 25 = 24$$



$$55 - 12 = 43$$



$$78 - 43 = 35$$



$$68 - 34 = 34$$



Aim



- To subtract two 2-digit numbers, not crossing 10.

Success Criteria

- I can use number facts to subtract two 2-digit numbers, not crossing 10.
- I can use a number line to subtract two 2-digit numbers, not crossing ten.

