

Year 3
Week Two – Day Two

LO - Adding and Subtracting from three digit numbers

Add 1-digit numbers to 3-digit numbers.

$$347 + 5$$

What different strategies could you use to find $347 + 5$?

We could just count on 5 from 347... 348, 349, 350, 351, **352**, but is there a better way?

We could use **number facts**: $7 + 5 = 12$ so $347 + 5 = 352$. Can you see why?

We could **'bridge the 10'**, adding 5 in two steps: $347 + 3 + 2 = 352$

Add 1-digit numbers to 3-digit numbers.

How can you solve these two questions without counting on in ones?

$$236 + 7 \text{ and } 878 + 6$$

$$236 + 7$$

We could use **number facts**: $6 + 7 = 13$ so $236 + 7 = 243$, can you see why?

$$236 + 7$$

We could **'bridge the 10'**, adding 7 in two steps: $236 + 4 + 3 = ?$

$$878 + 6$$

We could use **number facts**: $8 + 6 = 14$ so $878 + 6 = 884$. Can you see why?

$$878 + 6$$

We could **'bridge the 10'**, adding 6 in two steps: $878 + 2 + 4 = ?$

Adding 1-digit numbers to 3-digit numbers

Add 1-digit numbers to 3-digit numbers.

How can you solve these two questions without counting on in ones? This time we cross a 100s number...!

$$397 + 5 \text{ and } 693 + 9$$

$$397 + 5$$

We could use **number facts**: $7 + 5 = 12$ so $397 + 5 = 402$. Can you see why?

$$397 + 5$$

We could **'bridge the 10'**, adding 5 in two steps: $397 + 3 + 2 = 402$

$$693 + 9$$

We could use **number facts**: $3 + 9 = 12$ so $693 + 9 = 702$. Can you see why?

$$693 + 9$$

We could **'bridge the 10'**, adding 9 in two steps: $693 + 7 + 2 = ?$

Now have a try at these calculations

Section A

$$528 + 6 =$$

$$355 + 7 =$$

$$949 + 8 =$$

$$767 + 8 =$$

$$684 + 7 =$$

$$848 + 5 =$$

$$909 + 6 =$$

$$517 + 7 =$$

Section B

$$397 + 5 =$$

$$296 + 7 =$$

$$898 + 4 =$$

$$794 + 9 =$$

$$395 + 8 =$$

$$493 + 9 =$$

$$298 + 6 =$$

$$992 + 9 =$$

Subtract 1-digit numbers from 3-digit numbers.

$$342 - 6 = 336$$

Is this answer correct? How do you know?

We can work out $336 + 6$ to check.



To work out the answer, we could just count back 6 from 342... 341, 340, 339, 338, 337, **336**, but is there a better way?

We could use **number facts**: $12 - 6 = 6$ so $342 - 6 = 336$, can you see why?

We could **'bridge the 10'**, subtracting 6 in two steps: $342 - 2 - 4 = 336$

Subtract 1-digit numbers from 3-digit numbers.

Now try $352 - 7$ using each of those strategies.

We could use **number facts**: $12 - 7 = 5$ so $352 - 7 = 345$. Can you see why?

We could **'bridge the 10'**, subtracting 7 in two steps: $352 - 2 - 5 = 345$

$352 - 7 = 345$. We can check by using the **inverse operation**!

What is $345 + 7$? We can use one of the **strategies for addition** we used in the last lesson.

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Now have a try at these calculations

Subtracting 1-digit numbers from 3-digit numbers

Section A

$$632 - 4 =$$

$$451 - 6 =$$

$$734 - 8 =$$

$$762 - 7 =$$

$$963 - 5 =$$

$$535 - 8 =$$

$$874 - 6 =$$

$$391 - 5 =$$

Section B

$$702 - 5 =$$

$$201 - 7 =$$

$$103 - 4 =$$

$$505 - 9 =$$

$$803 - 5 =$$

$$405 - 7 =$$

$$202 - 8 =$$

$$304 - 6 =$$