

# Maths lesson 1

## 09.11.20



Hello Year 3,

This week we will be look at addition and subtraction.

Your Maths lesson today is based on **adding and subtracting multiples of 10 (like 20, 30 40, 50 etc.) to 3-digit numbers.**

Watch the video clip to help you (or I have included lots of information on the next few pages if you would rather.)

<https://vimeo.com/461352494>

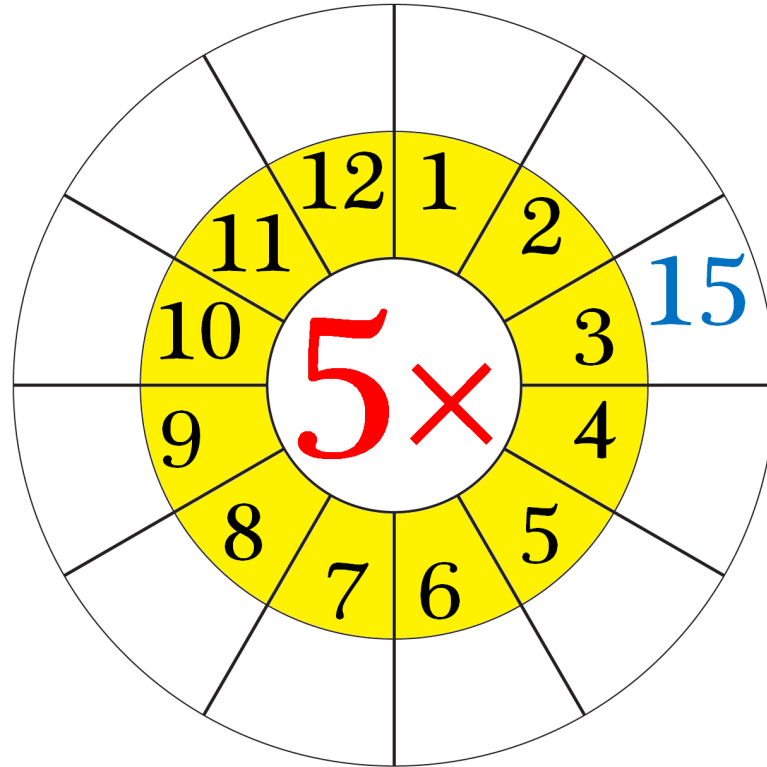
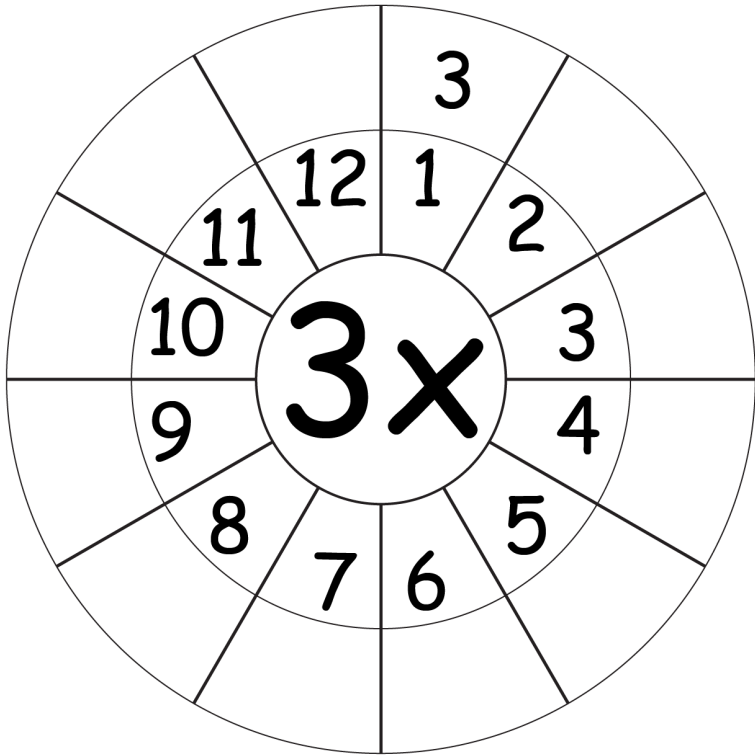
Don't worry about pausing the video just watch it all the way through and then do the worksheet.

There are some times table and number bond questions on the first few slides like we would usually do in class.

Enjoy,

Miss Robertson x

# Daily times table practise:



## Remember:

Just copy the questions onto your paper like we would normally do on whiteboards at school.

e.g.  $1 \times 3 = 3$ ,  $2 \times 3 = 6$

Take your pick of which one you do (or do both if you want to.)  
The green is easier than the orange 😊

### Today's Tough Ten

1	$12 - 9 =$
2	$18 - 2 =$
3	$= 7 + 8$
4	$14 - 10 =$
5	$16 - 5 =$
6	$= 13 + 5$
7	$20 - 12 =$
8	$= 18 - 7$
9	$19 - 10 =$
10	$20 - 17 =$

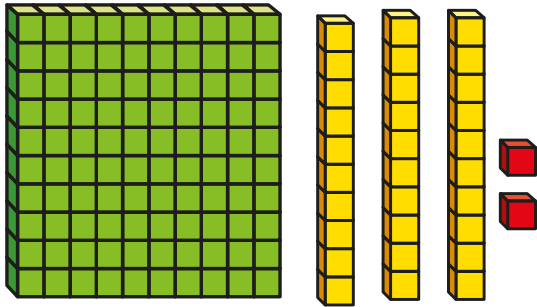
### Today's Tough Ten

1	$80 \div 10 =$
2	$= 10 \times 4$
3	$57 - 40 =$
4	$36 + 23 =$
5	$67 - 35 =$
6	$45 + 26 =$
7	$90 - 30 =$
8	$7 \times 5 =$
9	$= \frac{1}{3} \text{ of } 9$
10	$40 \div 10 =$

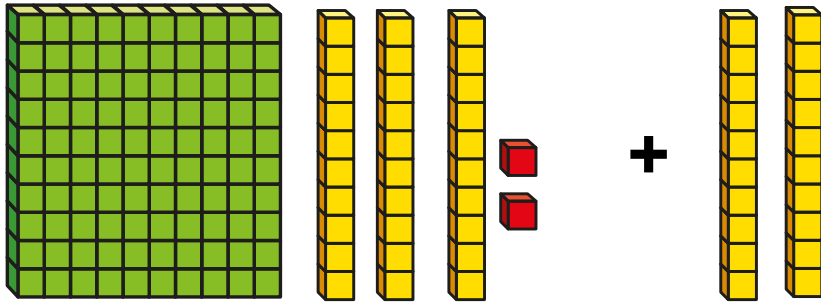
Today, we are learning about adding and subtracting 10's to 3 digit numbers:



Let's look at  $132 + 20 =$



Here is the number 132



When I do  $132 + 20$ , I need to look at the tens column.

$$1\mathbf{3}2 + \mathbf{2}0$$

I know that  $3 + 2 = 5$

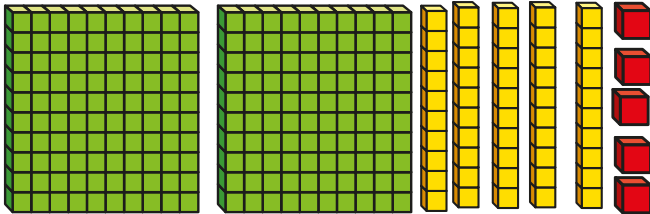
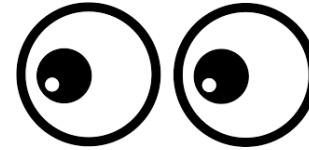
so  $30 + 20$  must equal 50.

As the tens add up to 90 or less, my hundreds and ones will stay the same.

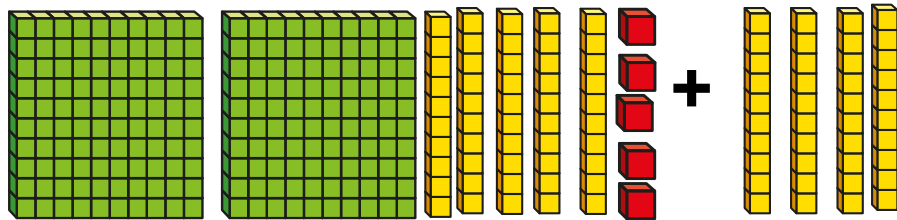
$$1\mathbf{3}2 + \mathbf{2}0 = 1\mathbf{5}2$$

Today, we are learning about adding and subtracting 10's to 3 digit numbers:

Let's look at another example:  
 $255 + 40 =$



Here is the number 255



When I do  $255 + 40$ , I need to look at the tens column.

$$255 + 40$$

I know that  $5 + 4 = 9$

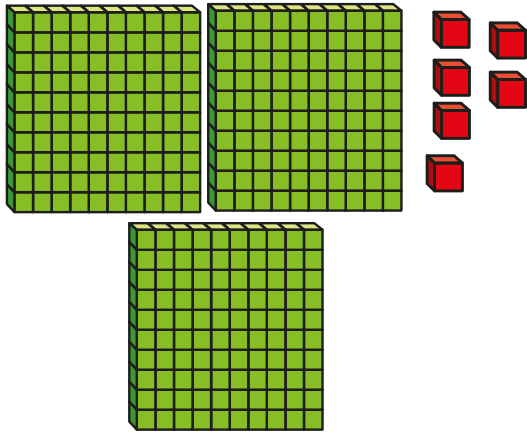
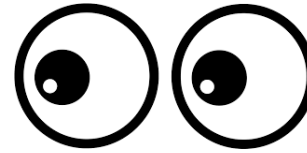
so  $50 + 40$  must equal  $90$ .

As the tens add up to  $90$  or less, my hundreds and ones will stay the same.

$$255 + 40 = 295$$

Today, we are learning about adding and subtracting 10's to 3 digit numbers:

One more example:  
 $306 + 50 =$



Here is the number 306

*Don't worry that there are 0 tens in the tens column*

When I do  $306 + 50$ , I need to look at the tens column.

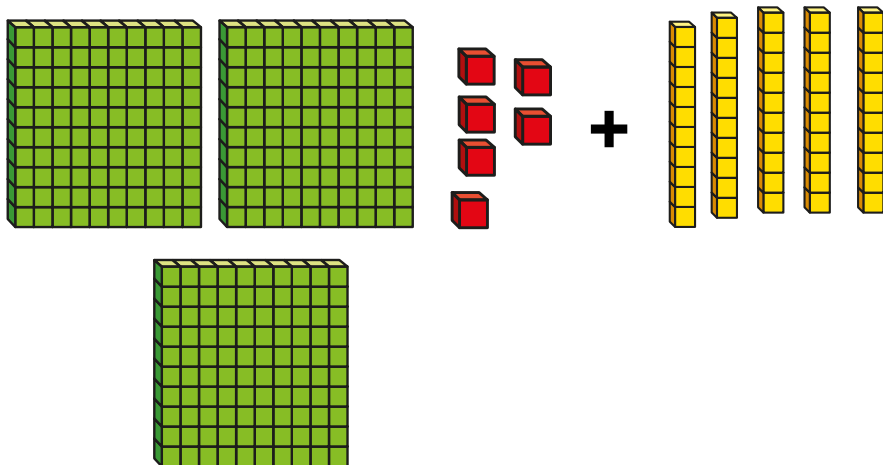
$$306 + 50$$

I know that  $0 + 5 = 5$

So  $0 + 50$  must equal 50.

As the tens add up to 90 or less, my hundreds and ones will stay the same.

$$306 + 50 = 356$$

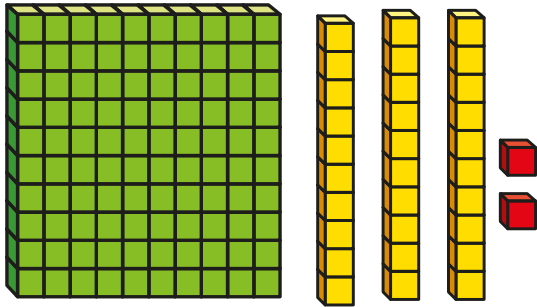


Today, we are learning about adding and subtracting 10's to 3 digit numbers:

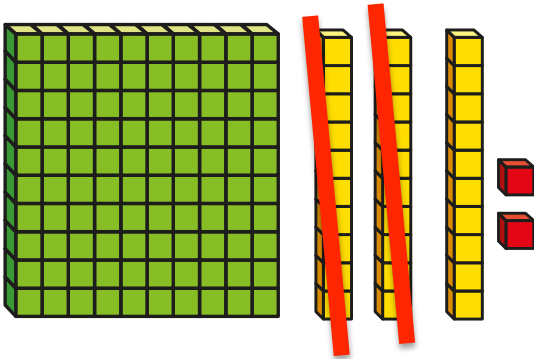
Now let's look at  $132 - 20 =$



**Subtracting**



Here is the number 132



When I do  $132 - 20$ , I need to look at the tens column.

$$1\mathbf{3}2 - \mathbf{2}0$$

I know that  $3 - 2 = 1$

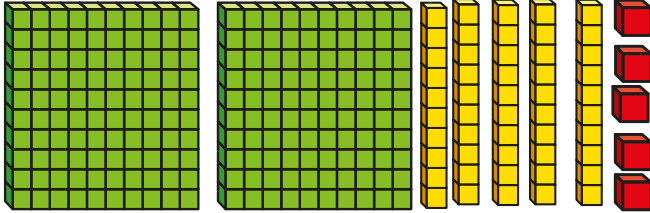
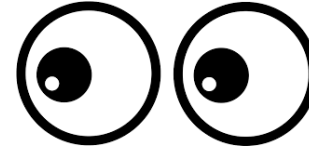
so  $30 - 20$  must equal 10.

I know that my hundreds and ones will stay the same.

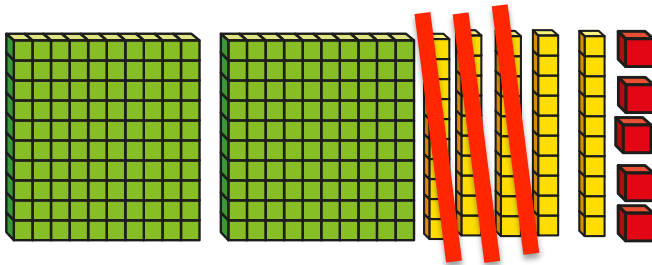
$$1\mathbf{3}2 - \mathbf{2}0 = 1\mathbf{1}2$$

Today, we are learning about adding and subtracting 10's to 3 digit numbers:

Let's look at another example:  
 $255 - 30 =$



Here is the number 255



When I do  $255 - 30$ , I need to look at the tens column.

$$255 - 30$$

I know that  $5 - 3 = 2$

so  $50 - 30$  must equal 20.

I know that my hundreds and ones will stay the same.

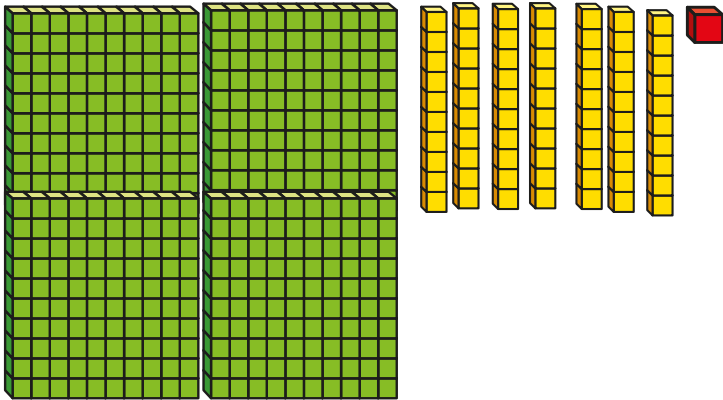
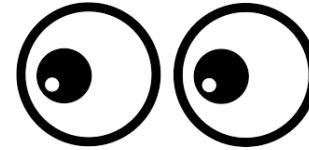
$$255 - 30 = 225$$



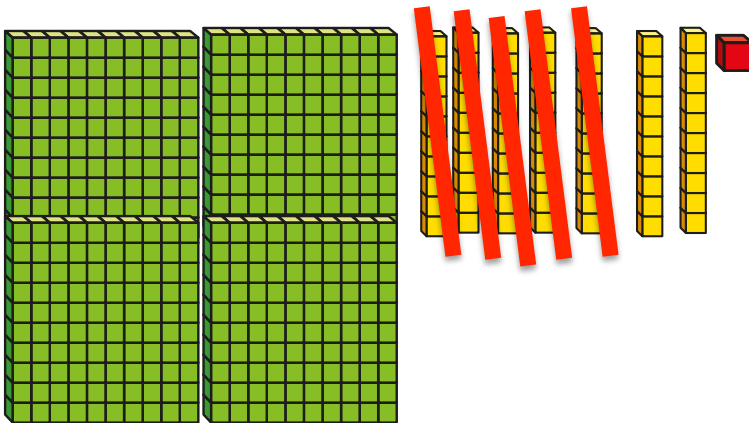
Today, we are learning about adding and subtracting 10's to 3 digit numbers:

Let's look at another example:

$$471 - 50 =$$



Here is the number 471



When I do  $471 - 50$ , I need to look at the tens column.

$$471 - 50$$

I know that  $7 - 5 = 2$

so  $70 - 50$  must equal 20.

I know that my hundreds and ones will stay the same.

$$471 - 50 = 421$$

# Copy and complete the questions onto your paper



Complete the additions.

a) =

b) =

c) =

Write the number sentence that goes with each one.  
e.g.  $235 + 50 =$

Eva has made this number.

Hundreds	Tens	Ones

a) What number has Eva made?

b) Eva subtracts 40 from her number.

Write a subtraction to show what Eva has done.

-

c) What is the answer to the subtraction?

## Now try these questions:

Complete the calculations.

a)  $717 + 30 =$

$717 + 40 =$

$717 + 60 =$

$80 + 717 =$

b)  $182 - 30 =$

$587 - 30 =$

$282 - 30 =$

$380 - 30 =$

Draw the questions using base 10 to help you if you need to 😊



## Today's challenges:

Here is a subtraction.

$$487 - 50 = 482$$

What mistake has been made?

When I calculated 392  
subtract 20 I used my  
known fact that  
 $9 - 2 = 7$



Rosie

Explain Rosie's method.

Calculate the answer to the following:

1)  $153 + 30 =$

2)  $272 + 20 =$

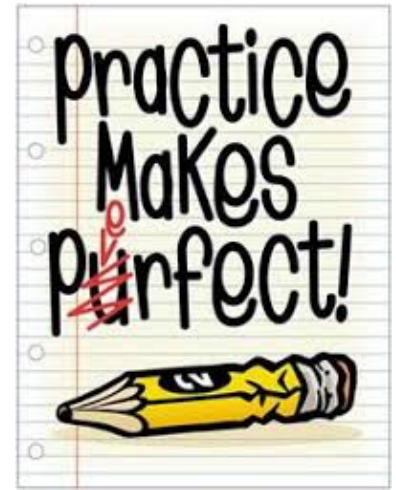
3)  $301 + 60 =$

4)  $413 + 70 =$

5)  $523 + 40 =$

6)  $630 + 20 =$

7)  $737 + 50 =$

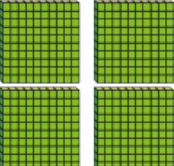
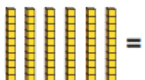


Here are some more questions to help you if you need/want them 😊



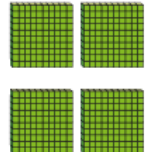


Complete the additions.

a)  +  = 285

b)  +  = 463

c)  +  = 180

Eva has made this number.

Hundreds	Tens	Ones
		

a) What number has Eva made? 463

b) Eva subtracts 40 from her number.

Write a subtraction to show what Eva has done.

463 - 40

c) What is the answer to the subtraction? 423

Complete the calculations.

a)  $717 + 30 =$

$717 + 60 =$

$717 + 40 =$

$80 + 717 =$

b)  $182 - 30 =$

$282 - 30 =$

$587 - 30 =$

$380 - 30 =$





Here is a subtraction.

$$487 - 50 = 482$$

5 has been subtracted from the ones digit instead of the tens digit. The answer should be 537.

What mistake has been made?

When I calculated 392 subtract 20 I used my known fact that  $9 - 2 = 7$



Rosie was able to use this fact because 9 tens subtract 2 tens is like doing 9 subtract 2. We don't need to subtract any ones or hundreds so those columns will stay the same.

Explain Rosie's method.



Well done, Year 3!  
I hope you got on okay with today's  
work 😊

Please email me your work to our  
new email address:

[yearthree@st-jo-st.dudley.sch.uk](mailto:yearthree@st-jo-st.dudley.sch.uk)

