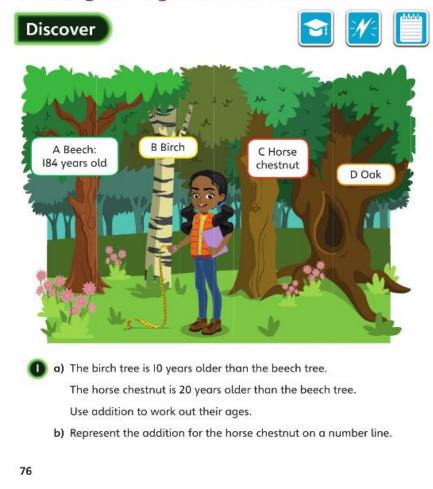
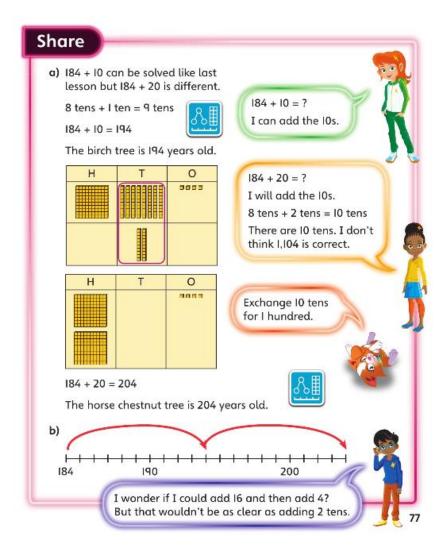
Year 3 Maths Home Learning w/c: 16-11-20

Monday -

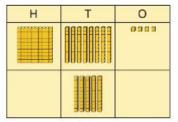
Adding a 3-digit number and 10s





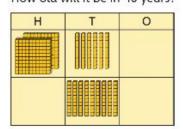
The oak tree is 50 years older than the beech tree.

How old is the oak tree?



The oak tree is years old.

2 A giant redwood tree is 260 years old.
How old will it be in 90 years?



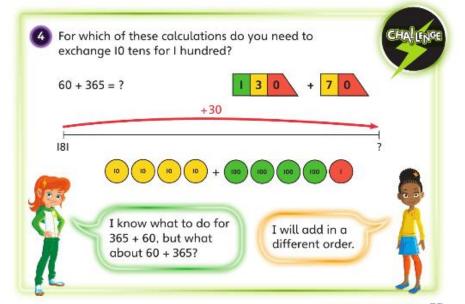
The giant redwood will be years old.

3 A cypress tree is 385 years old.
Complete the information in the table.

Time	Calculation	Age of tree
Present day	385 + 0	years
30 years from now	385 + 30	years
60 years from now	385 +	years
years from now	385 +	475 years

It looks like one of these is a missing number problem.





Adding a 3-digit number and I0s

There are 475 people already visiting the castle.

The coach brings 50 more people.

How many people are visiting the castle now?

,		
Н	Т	0
		99999



There are people visiting the castle now.

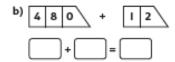
Richard is using drawings and place value equipment to solve these calculations. Complete his additions.

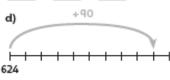












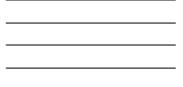
+		=		57
---	--	---	--	----

3 Complete the missing numbers.

What mistake has Isla made?

de?	1
	-

80 + 538 8 tens + 3 tens = II tens 80 + 538 = 518





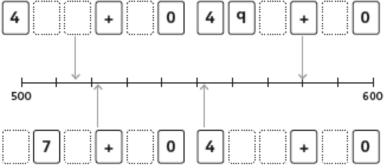


Explain any patterns that you noticed.

Unit 2: Addition and subtraction (1), Lesson 6

6 Complete each addition to match each answer shown on the number line.





I can find more than one addition for some calculations.



Reflect

- When I add a 3-digit number and tens, I know I will need to
 - exchange 10 tens for 1 hundred if
- ı .

Tuesday -

Unit 2: Addition and subtraction (1), Lesson 7

Subtracting IOs from a 3-digit number

Discover



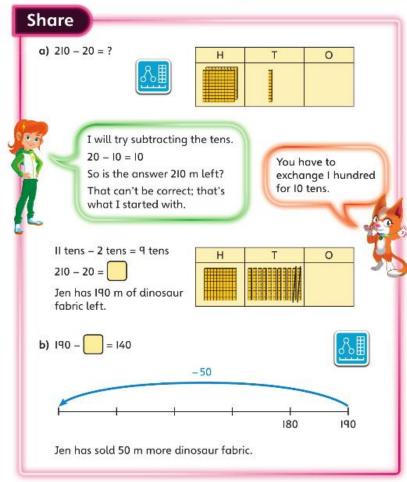






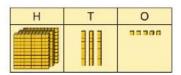
- Jen has 210 m of dinosaur fabric to sell.

 How much is left after she sells 20 m?
 - b) Jen sells some more dinosaur fabric. Now she has I40 m left. How much did she sell?



Jen has 335 m of space fabric and sells 50 m.

How much is left?



Н	Т	0
		00000

tens – tens = tens

335 - 50 =

There is m of space fabric left.

2 Toshi has 80 m of bee fabric to sell. Jen has 213 m of bee fabric to sell.

How much more bee fabric does Jen have than Toshi?

Н	T	0
		000

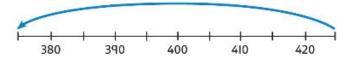
I think this is a find the difference. I can use subtraction.



Jen has m of bee fabric more than Toshi.



What calculation does the number line show?

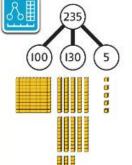


425 = =

Flo is trying to solve 235 – 60.

Flo has represented her exchange using a part-whole model.

Explain the calculation and the method used here.



My part-whole model is a different way of showing 235.



Think of your own word problem to go with this calculation.

Subtracting IOs from a 3-digit number

 a) Lucas's book has 225 pages. He has read 70 pages. How many pages does he have left to read?

I	Н	Т	0
			46444

Н	T	0

b) Sara's book has 231 pages. She has 60 pages left to read. How many has she already read?

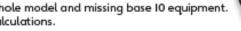
Н	Т	0

Т	0
	Т

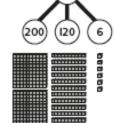
c) George has read 80 pages. His dad has read 315 pages. How many more pages has his dad read than George?

Н	T	0
		90000

George's dad has read more pages. Complete the part-whole model and missing base 10 equipment. Then complete the calculations.







(326)

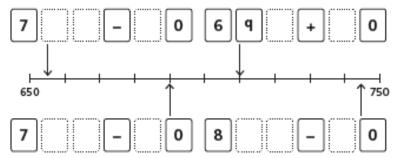


Find the missing numbers.

30 less	Number	30 more
	215	245
	316	
		300

Complete the calculations.

Somplete the calculations to match each answer shown on the number line.



Reena thinks of a number. She adds 90, then adds 80, then adds 70. She finishes on a number with the digits I, 2 and 3. What numbers could she have started on?



Reflect

- I know I5 8 so I can work out 25I 80 by
- ____
- ___

Wednesday -

Unit 2: Addition and subtraction (1), Lesson 8

Unit 2: Addition and subtraction (1), Lesson

Adding and subtracting a 3-digit and a 2-digit number

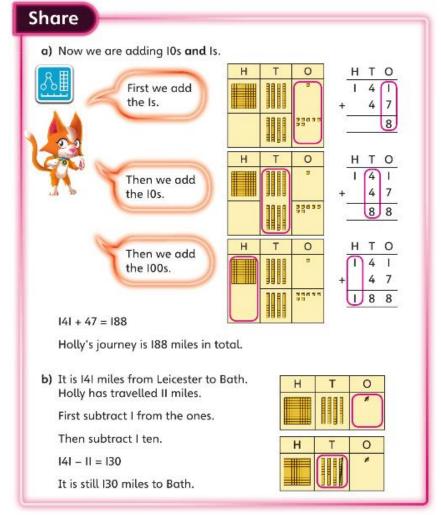


Holly drives from Leicester to Bath. She then drives to Weston-super-Mare.

How many miles is Holly's total journey?

b) She has driven II miles from Leicester.

How far left to Bath?



Jack has already driven 74 miles on the way to Cardiff from Norwich.

How much of the journey is left?

н т о

miles left of There are the journey.



Kay has driven 21 miles already. How much of the journey is left?

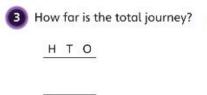
Н	Т	0
		053

н т о



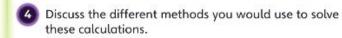
miles are left.





The total journey is





130 + 51891 - 60

609 - 7938 - 26 48 + 431

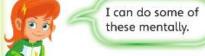
205 + 50

I would write columns

I would solve mentally

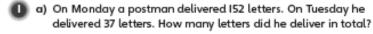
I would check using equipment

234 + 52



I would check using equipment or write the calculation down.

Adding and subtracting a 3-digit and a 2-digit number



Н	Т	0
		00
		000000

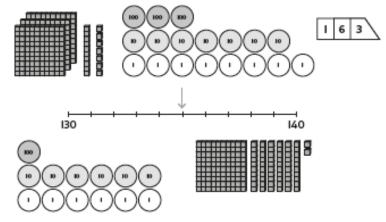
He delivered letters in total.

b) On Friday, the postman delivered 41 fewer letters than on Monday. How many letters did the postman deliver on Friday?

Н	Т	0
		00

He delivered letters on Friday.

2 Match the calculations to the pictures. Which one does not have a matching picture?



$$101 + 34$$

Complete the calculations. Invent another for the pattern in each column.

63

Complete the calculations.

	Н	Т	0
	I	5	3
+		4	2

Fill in the missing digits and write the calculations in full.



$\overline{}$	$\overline{}$		-
1/ 1/	1 1		
1 1/ 1/		_	
1 11 /1		_	

Reflect

Convince your partner that 453 + 41 = 494 and 453 - 41 = 412

Thursday -

Unit 2: Addition and subtraction (1), Lesson 9

Unit 2: Addition and subtraction (1), Lesson 9

Adding a 3-digit and a 2-digit number

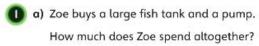
Discover



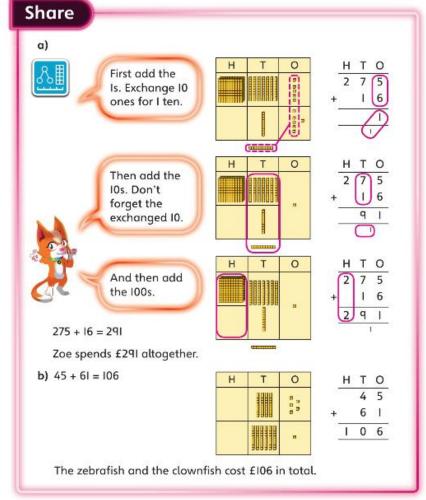








b) Aaron buys a zebrafish and a clownfish. How much does this cost in total?



Tia buys a large fish tank and a clownfish.

How much does she spend?

Н	Т	0
		99959

- Tia spends £ in total.
- 2 Solve these additions: I26 + 57 and I56 + 27. What do you notice? Can you explain?

Н	T	0
		80033
		00033

Н	Т	0
		35300
		30

Mark and Poppy wanted to write their additions in columns.

What mistakes did they make?

Mark's addition

H T O I 5 4 + 7 2 Poppy's addition

4 How many different additions can you make using these cards?





Do any of your calculations add to the same total? Explain why.



Now I can solve any addition with 3 digits and 2 digits.

I will make up some additions where you exchange for both 10s and 100s.

Adding a 3-digit and a 2-digit number

a) The other sunflower is 23 cm taller.

What is its height?

Н	T	0
		1999910
		(000)



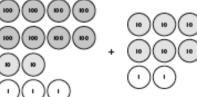
The other sunflower is cm tall.

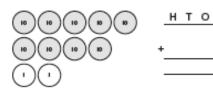
b) A sunflower is 183 cm tall. It grows 51 cm taller. How tall is it now?

Н	Т	0
		000
		0

Now it is cm tall.

Complete this addition.





Sort the calculations into three groups.

$$827 + 31$$

$$712 + 38$$

$$327 + 18$$

$$318 + 72$$

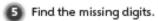
$$731 + 28$$

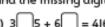
$$73 + 182$$

$$28 + 137$$

No exchange Exchange 10 ones Exchange 10 tens

Complete these additions.



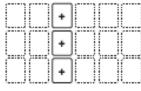


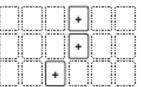
b)	35	+[2	=	41	•

Use each number once. Write additions so that they all have to exchange 10 ones and 10 tens.









I chose the six pairs by

Reflect

Explain how to add a 3-digit and a 2-digit number in three steps.

- Step I:
- Step 2:
- Step 3:

<u>Friday -</u>



nit 2: Addition and subtraction (1), Lesson 10





a) How many new trees survived?

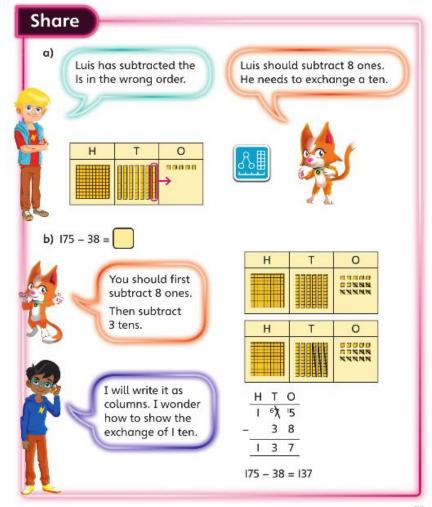
Luis worked it out this way. What mistake did he make?



7 tens – 3 tens = 4 tens 8 ones – 5 ones = 3 ones. So 175 – 38 = 143.

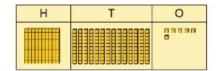
Luis

b) What is the correct answer?





Н	T	0
		00000



- trees are left.
- They planted 55 oak trees and I9I birch trees. How many more birch did they plant?

Н	Т	0
		п

They planted more birch trees.

How many more plum than apricot trees did they plant in the orchard?

Trees	Number planted	
Apricot	43	
Plum	221	
Apple	302	
Walnut	65	

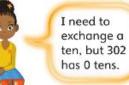
I am not sure whether to exchange a 10 or a 100 first.





Flo is trying to work out 302 – 65 to find how many more apple than walnut trees have been planted.





Н	Т	0
		20

What should Flo do to solve the subtraction?

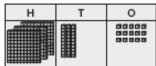
You can check by doing an addition.



Subtracting a 2-digit number from a 3-digit number

- There are 345 children at school on Thursday.
 - a) A minibus takes 27 children on a trip. How many children are left in school?

Н	Т	0
		00000



children left in school. There are

b) On Friday there are 345 children at school. 54 children have packed lunch. The rest have school dinners. How many school dinners is that?

Н	Т	0
		00000

children have school dinners.

Find 66 less than each number shown.



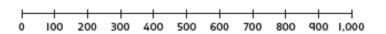
4 5 6

Complete these subtractions.

Use each digit card once to make a subtraction. Find five different solutions and mark the results on the number line.



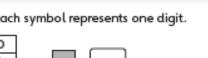




Find and correct the mistake in the subtraction.



Crack the code. Each symbol represents one digit.







Reflect

There have been ten lessons in this unit. Think about what you learnt. What are the three most important things to remember?

- - My favourite lesson was