Addition

LO: To add 2 two digit numbers using column addition

Learning Hook

Revise number bonds to 20

https://www.youtube.com/watch?v=h6udqW6VhWg



2 digit and 2 digit addition

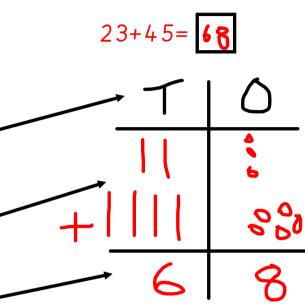
Who can remember how we did 2 digit plus 2 digit addition before Christmas?

First we draw a tens frame

Then we draw our tens and ones (base ten) in the correct column

Finally we add them up the tens and ones (base ten) to find the total.





Now let's carry out some more 2 digit plus 2 digit additions using the grown up 'column addition' method.

This will speed us up.

Now, instead of drawing the tens and ones, we can simply write them.

Easy!

Just remember to keep the tens in the tens column and the ones in the ones column!

Add the ones, then the tens and write your answer below.

18.1.21- complete Task 1 and Task 3 on paper/ in a book

Task 1

For each of the following additions, draw your base ten in a tens and ones frame.

37+ 12=

55+ 14=

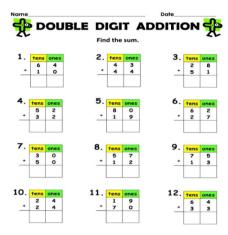
22+74=

51+18=

66+22=

Task 2

For each of the following additions,
write the numbers in the tens and ones
columns within this tens and ones frame.



Task 3

For each of the word problems, draw a tens frame and write the numbers in the tens and ones columns.

22+16=

35+44=

28+11=

13+74=

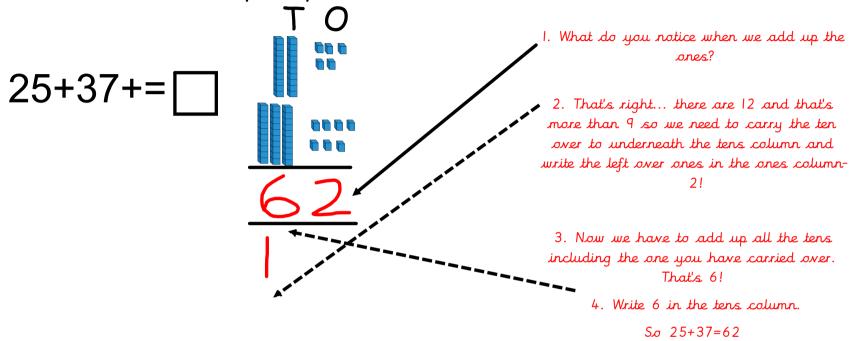
52+23=

Addition

LO: To add 2 two digit numbers that cross ten practically.

Let's practice our column addition on wipe boards or paper...

write T and O. Then place your tens and ones underneath.



Now have a go at the following	26+56
2 digit + 2 digit calculations	38+47
that cross ten. Remember to	

carry across the ten and then 65+27

add it up at the end.

74+17

49+32

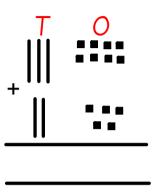
Addition

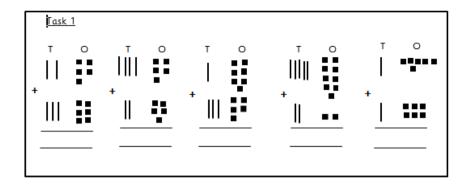
LO: To add two 2 digit numbers that cross 10.

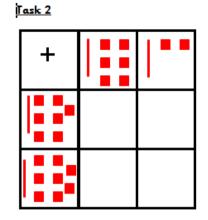
Learning Hook: revise addition without crossing the ten.

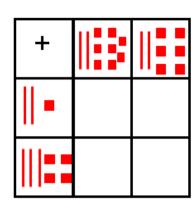
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67	22	39	24	11	65	- 1	9	8	89 10		100	
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+2 2	+2 2	+1 2	+1 2	+4	2 +5	3	+5	4	+2	3	+5	6
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Today we are going to do the same as yesterday but draw it in our books. Let's try one together.









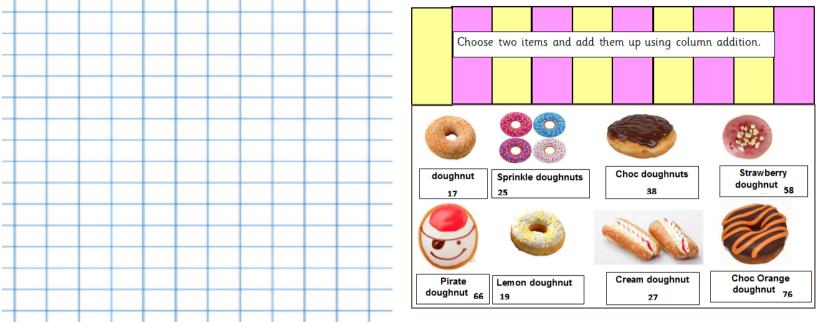
Addition

LO: To add 2 two digit numbers that cross a ten.

Hook
Ihis is Sophie's work. Is she
correct?
ТО
2 8
. 2 . 6
+36
54
<u>-</u>

Practice on w/boards.

Choose two items and write it as column addition to find out how much they cost in total.



Plenary

Tom has £45 his Grandma gives him £29. How much money does Tom have now?

Addition

LO: To solve 2 digit addition word problems by crossing the ten.

In today's lesson, we will be solving word problems by using column addition like we have been doing all week.

- Step 1. Read the problem
- Step 2. Underline the numbers that will help you to answer the question.
- Step 3. Think about what it is asking you to find.
- Step 4. Use column addition to solve the problem.

If you had 12 glass bottles and 13 plastic bottles, how many bottles are there altogether?

It is asking us to add the two numbers up. So we need to do a column addition:

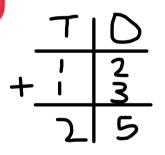
Look!

Step 1. Read the problem

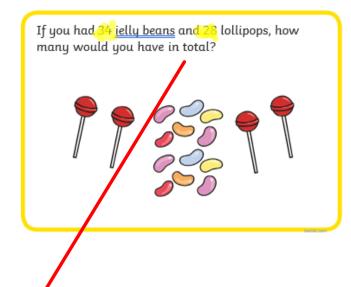
Step 2. Underline the numbers that will help you to answer the question.

Step 3. Think about what it is asking you to find.

Step 4. Use column addition to solve the problem.



So there are 25 bottles altogether. Did you notice we didn't have to carry over then ten? Why not?



Step 1. Read the problem

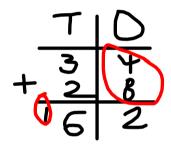
Step 2. Underline the numbers that will help you to answer the question.

Step 3. Think about what it is asking you to find.

Step 4. Use column addition to solve the problem.

It is asking us to add the two numbers up again. So we need to do a column addition.

This time look closely at the numbers in the ones column.



This time the ones add up to more than 9. They add up to 12 so we need to move the ten to under the tens column and write how many ones (2).

Then we add all the tens including the ones we have moved across. There are 6 tens. The answer is 62.

Now it's your turn!

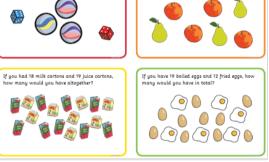
If you had 13 marbles and 28 dice, how many do you have in total?

Take a word problem, stick it in your book and solve it by using column addition with numbers. See how many you can do.

Take note! You won't always have to carry over the ten-only if the ones add up to more than 9.

Use a ruler and draw your tens frame carefully. Line up the tens and ones

carefully.



If you had 54 apples and 47 pears, how many do you have?