Name _____ Date _____

Swap ten ones

10 ones make 1 ten. Swapping keeps numbers neat and easy to read.

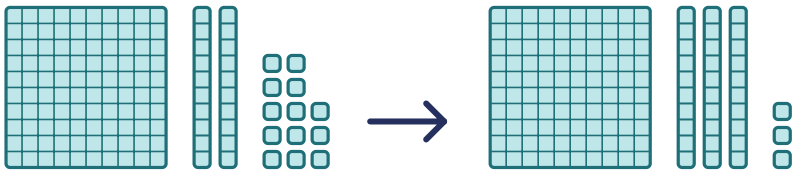
1 Learn



The ones place can only hold up to **9**. When you have **10 ones**, swap them for **1 ten**. It's the same amount, just tidier!



Example: how many cubes?



1 hundred, 2 tens, **13 ones** → 1 hundred, **3 tens**, 3 ones

Hundreds	Tens	Ones
1	3	3

133

1. There are **13 ones**. That's too many for the ones place.
2. Count out **10 ones** and swap them for **1 ten**. Now there are **3 tens** and **3 ones**.
3. Read it: 1 hundred, 3 tens, 3 ones = **133**, one hundred and thirty-three.

Flip's tip: say the places in order, biggest first: **hundreds, tens, ones**. The hundreds digit goes on the left.

Warm up: write the number.

2 hundreds, 5 tens, 6 ones = ☐

6 tens, 9 ones = ☐

1 hundred, 8 tens, 0 ones = ☐

Grown-ups: go through the example together. Ask "How many ones fit in the ones place?" (Up to 9.) Schools may call swapping "exchanging".

Swap ten ones

Scan to play this chapter in the game

Name _____ Date _____

2 Try it together

a child and a grown-up, about 10 minutes



Grab and swap

You need: a bowl of small dry things (dried pasta, beans or buttons), about 10 small cups or an egg box, and a sheet of paper.

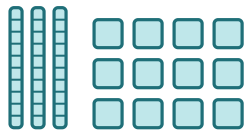
1. Fold the paper into three and write **Hundreds**, **Tens**, **Ones** along the top: your place value mat.
2. Take turns to grab a **small handful** and put it on **Ones**.
3. When there are **10 or more** on Ones, count out 10, put them in a cup and move the cup to **Tens**. That's a swap!
4. After each grab, write the tens, the ones and the number in the table.
5. Have 4 grabs. How many swaps did you make?

Grab	Hundreds	Tens	Ones	The number
1				
2				
3				
4				

Grown-ups: ask "Why do we swap?" (So the ones never go past 9.) If you fill 10 cups, tip them into a bowl and move it to Hundreds: 10 tens make 100.

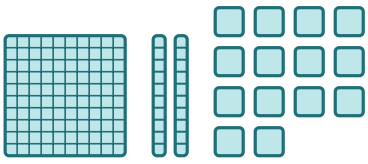
3 Practise

A. Draw a ring round **10 ones** to swap for a ten. Then write the hundreds, tens and ones, and the number.



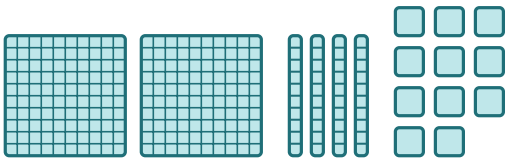
____ H ____ T ____ O

= _____



____ H ____ T ____ O

= _____



____ H ____ T ____ O

= _____

Swap ten ones

Scan to play this chapter in the game

Name _____ Date _____

B. Swap 10 ones for 1 ten. Write what you have after the swap, then the number.

I have…	Hundreds	Tens	Ones	The number
4 tens and 13 ones				
1 hundred, 6 tens and 10 ones				
3 hundreds, 2 tens and 15 ones				
5 hundreds, 0 tens and 12 ones				

C. Pack cubes in 4s and in 8s. Fill the gaps.

Count in 4s: **0, 4, 8, ☐, 16, ☐, ☐, 28, ☐, 36**

Count in 8s: **0, 8, 16, ☐, 32, ☐, 48, ☐, ☐, 72**

D. How many hundreds (H), tens (T) and ones (O)? For the last one, write the number.

352

H	T	O

253

H	T	O

670

H	T	O

8 H, 1 T, 6 O

= _____

Challenge

Leo has **3 hundreds**, **2 tens** and **14 ones**. He writes the number as **3214**. Is he right? What should he write?

Hint: what can you swap first?

I can… Tick when you can.

- ☐ swap 10 ones for 1 ten
- ☐ say how many hundreds, tens and ones are in a number like 352
- ☐ count in 4s and in 8s