



Addition to 100 with the Standard Algorithm 2.NBT.B.5

Addition with Regrouping

How do I know if I need to regroup?

Adds up to 9, everything's fine!

10 or more, take the extra next door!

Drag and drop the ones into the "trade in bucket" to make a group of tens.

Trade In Bucket

Tens	Ones
	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	<input type="checkbox"/> <input type="checkbox"/>

Tens	Ones
	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

13



Digital Lesson & Printable Recording Sheet

Addition with the Standard Algorithm



$$\begin{array}{r} \text{T} \quad \text{O} \\ 4 \quad 1 \\ + 1 \quad 4 \\ \hline \square \quad \square \end{array}$$

Step 1
Line the numbers up vertically!

Step 2
Add the first!

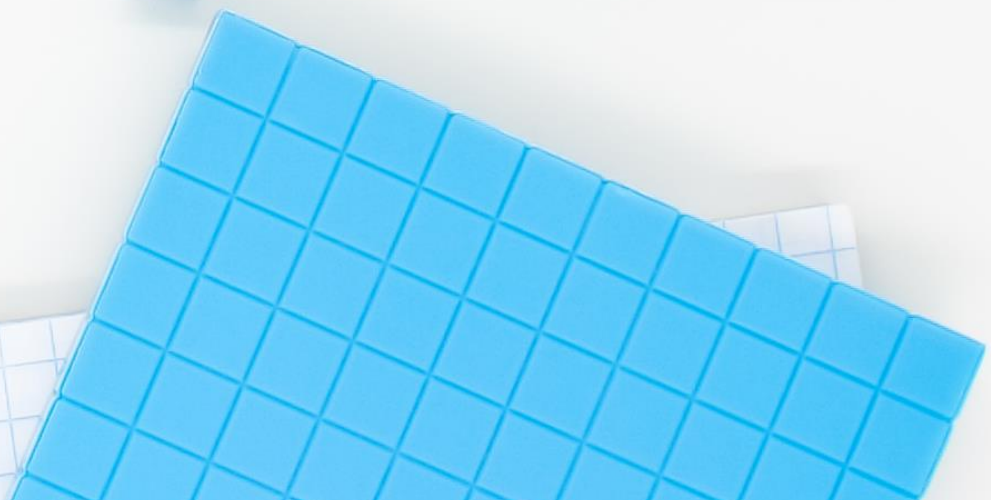
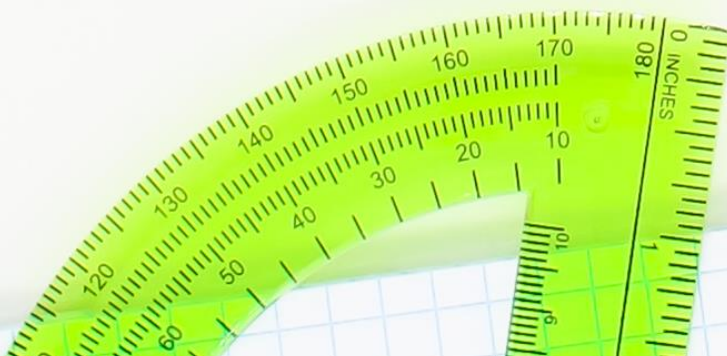
Step 3
Add the second!

Collaborate & Share

Work with a partner or your group to make your own addition problem that does not require regrouping. Write a response explain to the class how to add with the standard algorithm. Be sure to use your math vocabulary!

T	O
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>

To add with the standard algorithm, first you have to...



Let's Watch!

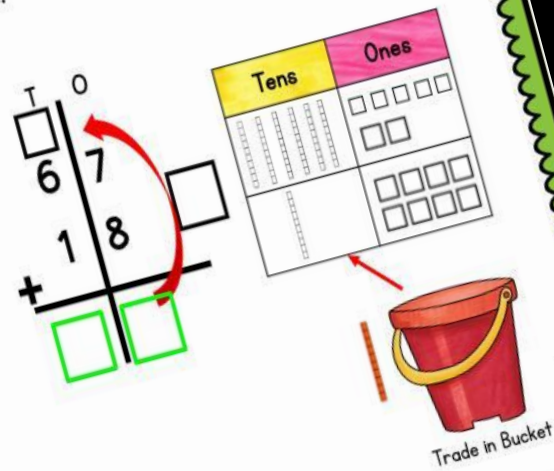
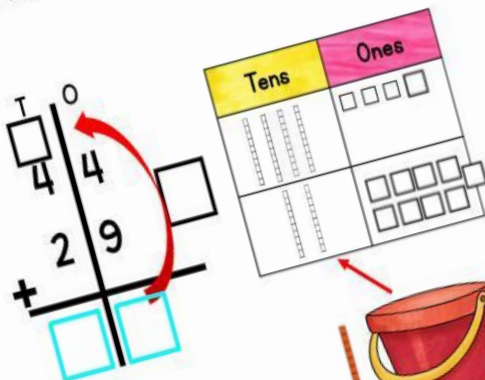
Click the TV to learn about addition with regrouping.



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Explore

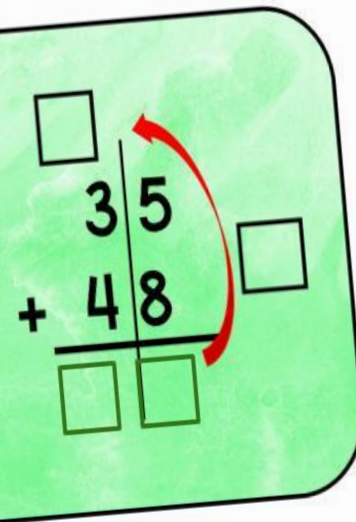
Solve the addition problems. Regroup tens when needed by moving the ones blocks to the trade in bucket and adding an extra ten to the tens side.



Explore

Use the standard algorithm to solve the addition problem.

Katrina baked 35 cookies for the bake sale last week. She baked 48 cookies for the cookie swap this week. How many cookies did she bake altogether?

$$\begin{array}{r} \square \\ 35 \\ + 48 \\ \hline \square \square \end{array}$$


Katrina baked cookies.

CENTIMETERS 2 3

20 21 22 23 24 25 26 27

120 130 140 150 160 170 180
0 INCHES
10 20 30 40 50

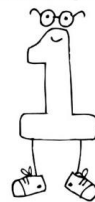
Name: _____ Date: _____

Add with the Standard Algorithm Lesson Recording Sheet: Day 1

$$\begin{array}{r|l} \text{T} & \text{O} \\ 4 & 1 \\ + 1 & 4 \\ \hline \end{array}$$

Step 1

Line the numbers
up vertically.



Step 2

Add the
_____ first.



Step 3

Add the
_____ second.



Explore

Practice adding the numbers in the tens and ones columns.

$$\begin{array}{r|l} \text{T} & \text{O} \\ 5 & 7 \\ + 2 & 2 \\ \hline \end{array}$$

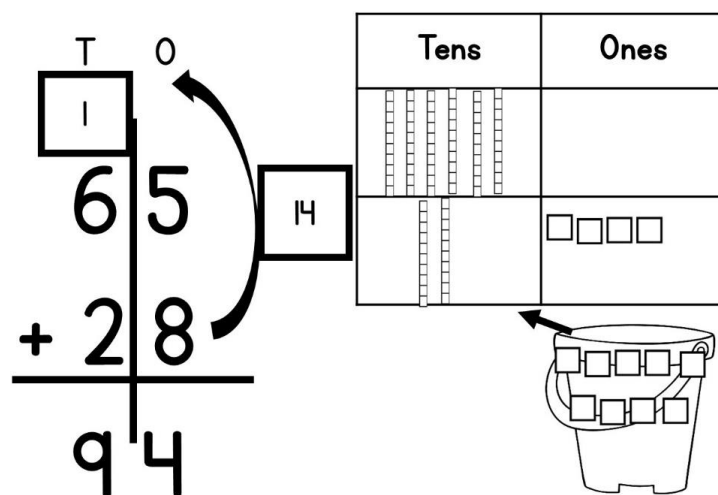
$$\begin{array}{r|l} \text{T} & \text{O} \\ 4 & 5 \\ + 1 & 3 \\ \hline \end{array}$$

$$\begin{array}{r|l} \text{T} & \text{O} \\ 6 & 1 \\ + & 5 \\ \hline \end{array}$$

Name: _____ Date: _____

Add with the Standard Algorithm Lesson Recording Sheet: Day 3

Collaborate & Share: Work with a partner or your group to see what mistake this student made. Write an explanation to the class about what the student did wrong and what they should have done instead. Be sure to use your math vocabulary!



The student made a mistake when...



Close & Reflect: When adding with regrouping, you carry a "one" over to the tens place. Why do you carry a "one?" Could you ever carry a "two" or a "three?"

Blank area for writing a response to the reflection question.

