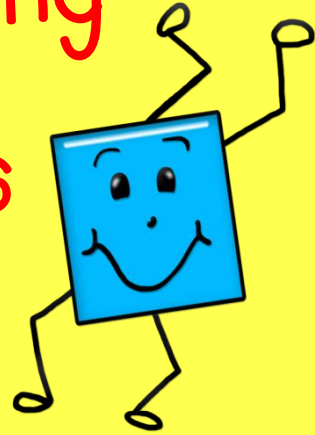


Adding & Subtracting

with

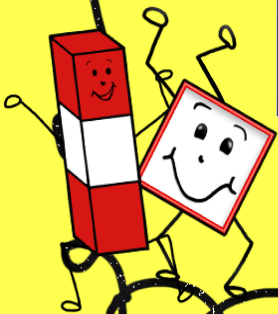
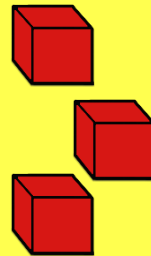
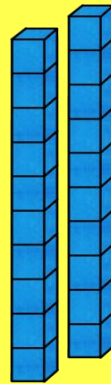
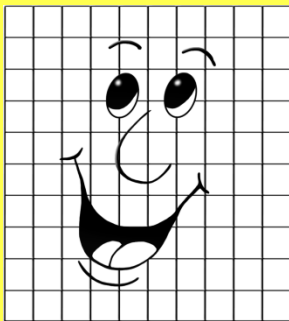
Place Value Blocks

for the Common Core

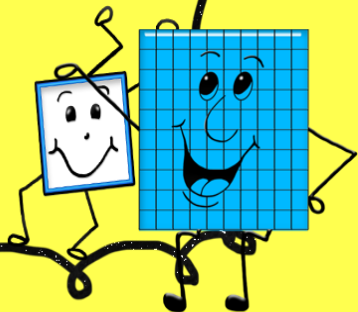


A Guide for Parents

*hundreds
tens
ones*



By Susan Hardin



Thank you for your purchase!

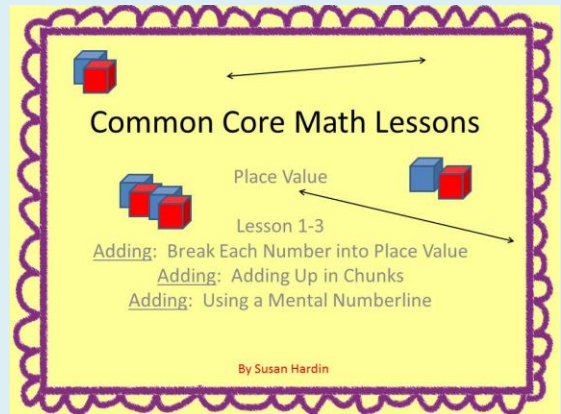
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Click [here](#) to take a look at
Adding with Place Value for the Common Core.

This product includes **slides** for viewing on a Smart board that show **step by step** how to add with three different strategies. Included is a set of **task cards** to be used with the open number line. Also there are black and white pages for use as **classwork** or **homework**.



For teaching ideas, freebies and more, visit my teaching blog
3rd Grade Grapevine at www.3rdgradegrapevine.blogspot.com
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<http://www.facebook.com/MrsHardinsclass>



Clipart: The 3am Teacher and Digiweb Studio

Fonts: Lettering Delights

Susan Hardin © 2012

How to Add with Place Value Blocks (no regrouping)

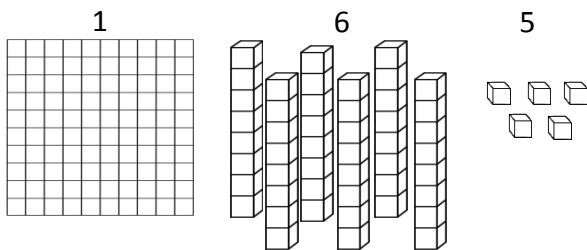
A "How-To" Guide for Parents

There are 165 students at Warner Robins Dance Academy School and 221 students at Kathleen Dance Academy. How many students are in both academies? Write an equation and show your thinking.

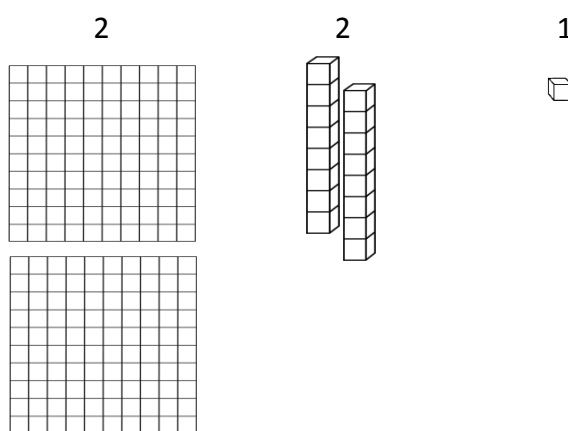
Step 1: Determine what the problem is asking and write an equation.

$$165 + 221 = \underline{\hspace{2cm}}$$

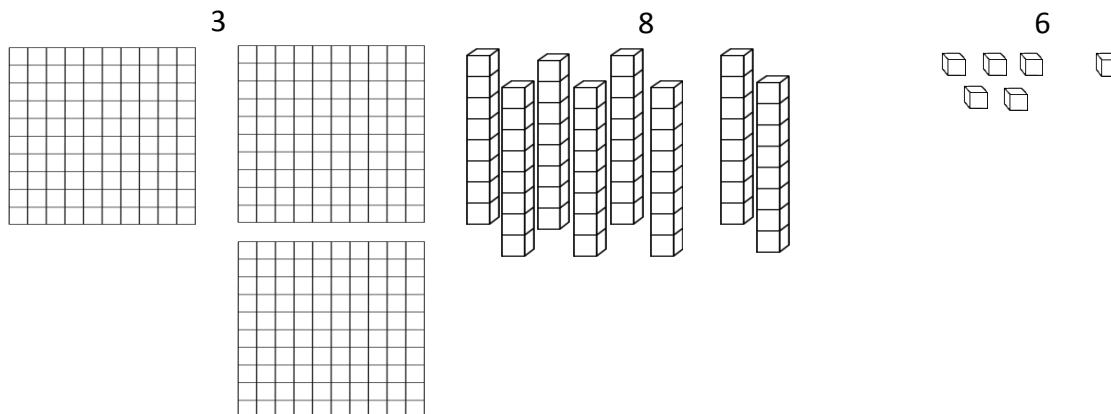
Step 2: Set up the number with place value blocks:



Step 3: Set up the number to be added with place value blocks:



Step 4: Draw them altogether. Count and write the number (sum). Students can just draw them next to each other if they have room.

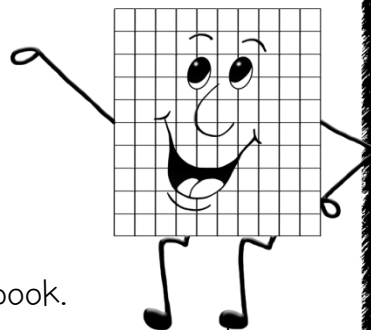


Step 5: Then they fill in the answer to the equation. (They must not forget to write an answer.)

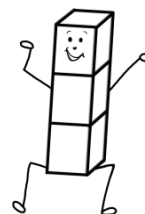
$$165 + 221 = \underline{386}$$

Name _____

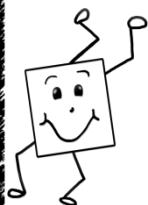
Add with Place Value Blocks (no regrouping)



1. Hannah had read 175 pages in her favorite book. Over the weekend, she read 124 more pages. How many pages has Hannah read so far? *Write and equation and show your thinking.*



2. Hayley had 240 pieces of candy in her Halloween bag. Her younger brother gave her 126 more pieces, that he didn't want. How many pieces of candy did Hayley have altogether? *Write and equation and show your thinking.*



How to Add with Place Value Blocks (with regrouping)

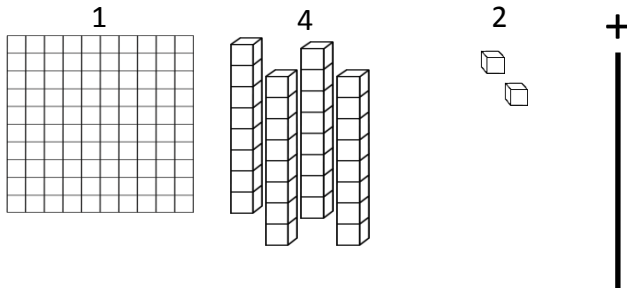
A "How-To" Guide for Parents

Hannah had 142 pennies in her jar. Her grandmother gave her 76 more. How many pennies did she have then? Write an equation and show your thinking.

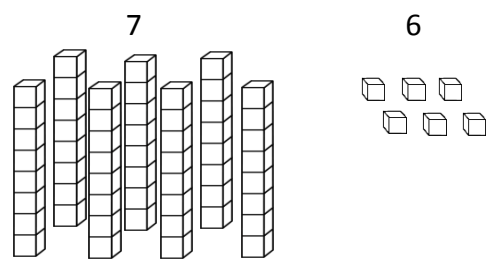
Step 1: Determine what the problem is asking and write an equation.

$$142 + 76 = \underline{\hspace{2cm}}$$

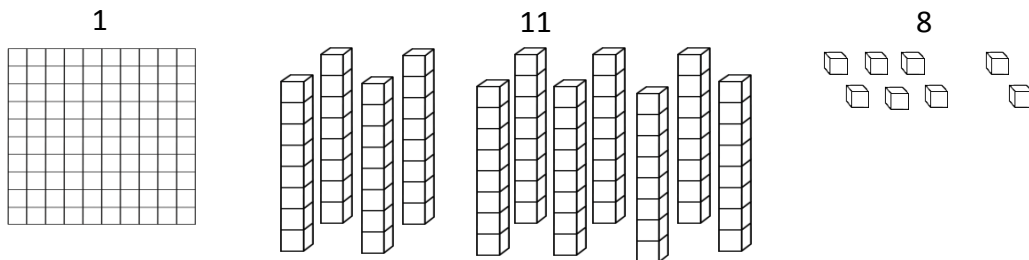
Step 2: Set up the number with place value blocks:



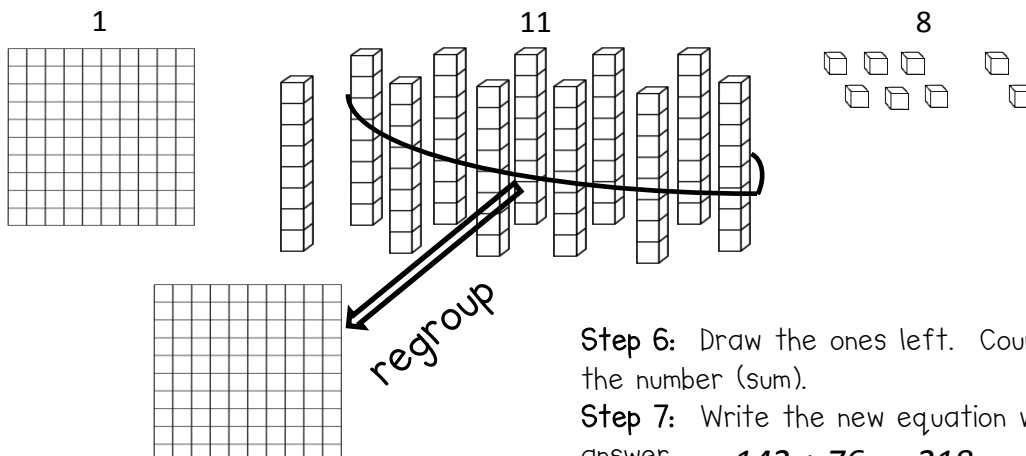
Step 3: Set up the number to be added with place value blocks:



Step 4: Draw them altogether. Count and write the number (sum).



Step 5: Since a two-digit number cannot occupy one place value space, regrouping is needed. Sometimes I refer to this as bundling, to give students the idea of wrapping up a set of ten. So, trade 10 ten rods for 1 hundred flat. To draw that, I have my students draw a circle around the group of ten, add an arrow to indicate the trade, and cross them out. Then I draw the new item. In this case, a hundreds flat.

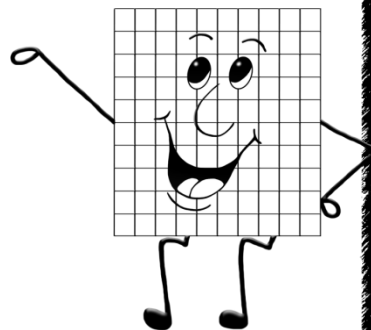


Step 6: Draw the ones left. Count and write the number (sum).

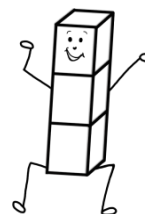
Step 7: Write the new equation with the answer. $142 + 76 = \underline{218}$

Name _____

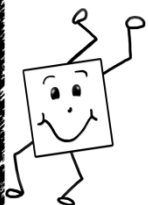
Add with Place Value Blocks (regrouping)



1. There were 365 people at the amusement park on Saturday. On Sunday there were 427. How many people were at the park on both days? Write an equation and show your thinking.



2. Our class collected 583 box tops. Mom gave me 127 more box tops to take to class? How many box tops do we have now? Write an equation and show your thinking.



How to Subtract with Place Value Blocks (no trading)

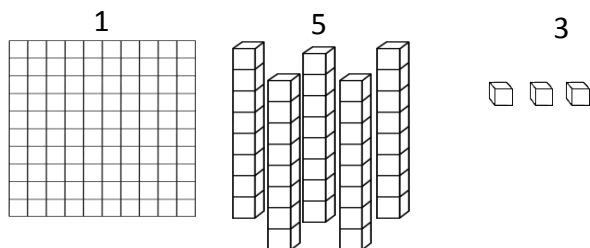
A "How-To" Guide for Parents

Sue's coloring book has 153 pages. She has colored 132 pages so far. How many pages does Sue have left to color? Write an equation and show your thinking.

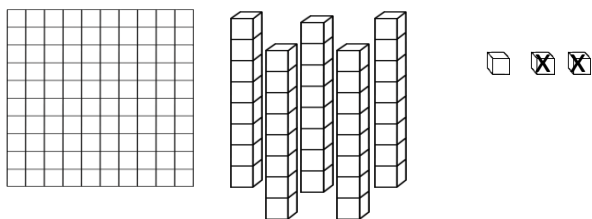
Step 1: Determine what the problem is asking and write an equation.

$$153 - 132 = \underline{\hspace{2cm}}$$

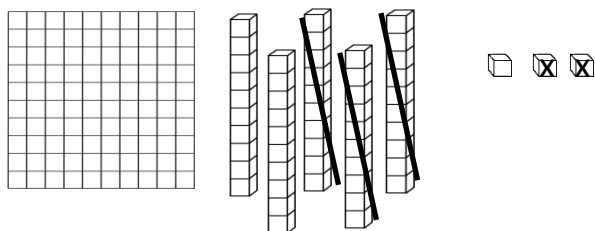
Step 2: Set up the number with place value blocks:



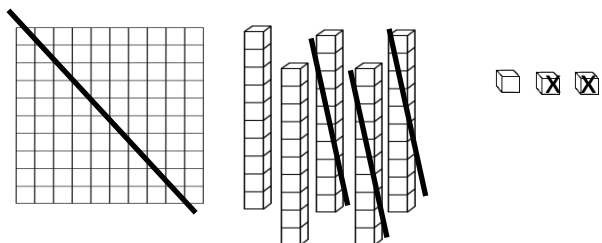
Step 3: Subtract starting with the ones first, (132). Cross out.



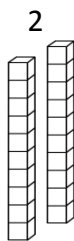
Step 4: Subtract the tens next, (132). Cross out.



Step 5: Lastly, subtract the hundreds, (132). Cross out.



Step 6: What is left is the answer. Write a number for each remaining place value number.



1

← The Answer



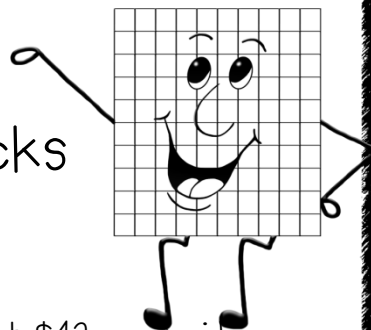
Step 7: Write the new equation with the answer. (They must not forget to write an answer.)

$$153 - 132 = \underline{21}$$

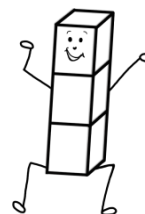
Name _____

Subtract with Place Value Blocks

(no trading)



1. Dane had \$175 hidden in his sock drawer. He spent \$42 on a video game. How much money does he have left? *Write an equation and show your thinking.*



2. Caroline read 120 pages in her books this week. Her brother read 274 pages in his books. How many more pages did her brother read than her? *Write an equation and show your thinking.*



How to Subtract with Place Value Blocks (trading)

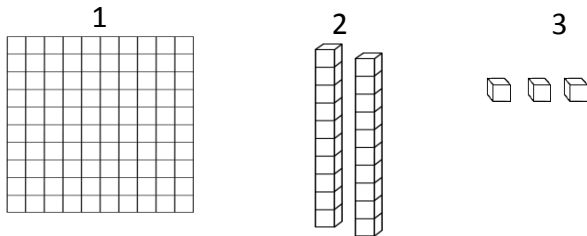
A "How-To" Guide for Parents

Lisa had 123 stuffed animals. She gave her younger sister 14. How many stuffed animals does Lisa have left? Write an equation and show your thinking.

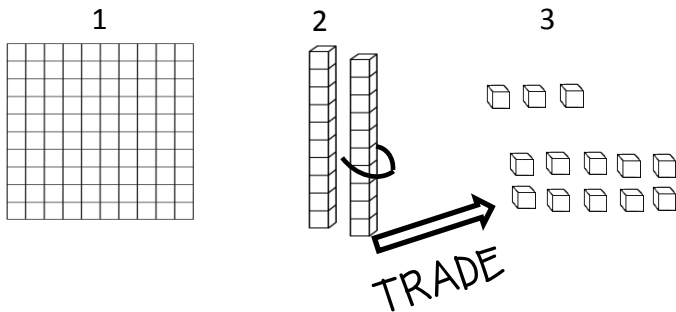
Step 1: Determine what the problem is asking and write an equation.

$$123 - 14 = \underline{\hspace{2cm}}$$

Step 2: Set up the number with place value blocks:



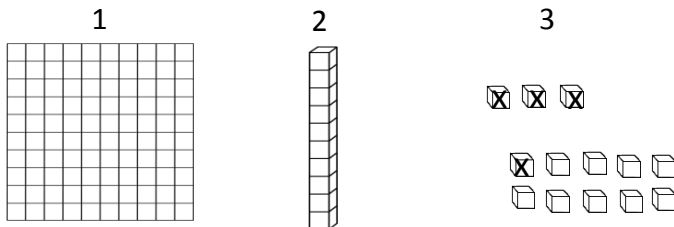
Step 3: Subtraction starts with the ones first, however there are not enough to take fourteen away (14). A trade is necessary. Trade 1 ten rod for 10 single units.



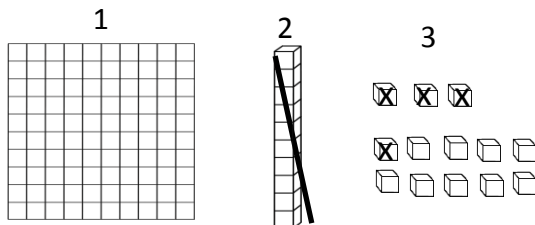
NOTE:

Students do this with only two drawings. The initial drawing is the one used for crossing out. They trade (circle and draw new units), cross out all ones, tens, and hundreds on the same drawing. The final drawing is for the answer.

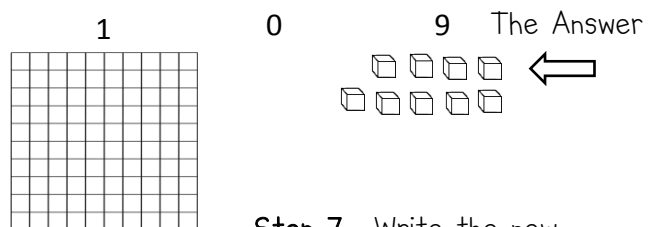
Step 4: Now, subtract the ones (14) Cross out.



Step 5: Next, subtract the tens (14) Cross out.



Step 6: What is left is the answer. Write a number for each remaining place value number.

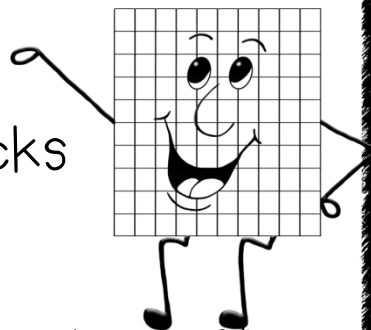


Step 7: Write the new equation with the answer.

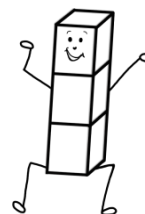
$$123 - 14 = \underline{109}$$

Name _____

Subtract with Place Value Blocks (with trading)



1. Michael did 196 sit ups. Sarah did 118 sit ups. How many more sit ups did Michael do than Sarah? Write an equation and show your thinking.



2. Lawson wants to buy a new electric train set. He has saved \$117. The train set he wants cost \$160. How much more does he need to save before he has enough money to buy it? Write an equation and show your thinking.

