Adding and Subtracting Three-Digit Numbers

Information

Common core icons
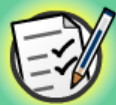
This icon indicates a slide where the Standards for Mathematical Practice are being developed. Details of these are given in the Notes field.

MODELING

Slides containing examples of mathematical modeling are marked with this stamp.

This icon indicates an opportunity for discussion or group work.

The **Standards for Mathematical Practice** outlined in the Common Core State Standards for Mathematics describe varieties of expertise that mathematics educators at all levels should seek to develop in their students.

These are:

1) **Make sense of problems and persevere in solving them.**

2) **Reason abstractly and quantitatively.**

3) **Construct viable arguments and critique the reasoning of others.**

4) **Model with mathematics.**

5) **Use appropriate tools strategically.**

6) **Attend to precision.**

7) **Look for and make use of structure.**

8) **Look for and express regularity in repeated reasoning.**

This icon indicates that the slide contains activities created in Flash. These activities are not editable.

This icon indicates teacher's notes in the Notes field.

Adding and subtracting 100

Can you remember how to add and subtract ten?

MODELING

Alex and Nicole are collecting 600 box tops for charity. So far, Nicole has collected 315 box tops and Alex has collected 283. Have they reached their target yet?

We need to add the hundreds with hundreds, the tens with tens, and the ones with ones.

hundreds	tens	ones
3	1	5
+ 2	8	3
5	9	8

1   **2**   **3**

Let's review some strategies for **addition** and **subtraction**!

Press on each of the tabs to find out about three strategies for addition and subtraction.

280

280

Can you use number decomposition
to answer these problems?

Press the yellow number cards to show
or hide each digit. Press the blue arrows to
adjust the digits in the calculation.

Press **start** to begin.

start

H

HTO + TO

layout 3

© Boardworks 2013

456-

160

HTO

HTO - TO

Can you use counting up to answer
these subtraction problems?

Press the yellow number cards to show
or hide each digit. Press the blue arrows to
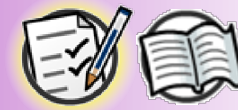adjust the digits in the calculation.

Press **start** to begin.

start

What methods would you use to solve these problems?

1. 590 + 70

2. 130 + 250

3. 380 – 130

4. 32 + 26 + 41 + 60

5. 628 – 528

6. 975 – 625

7. 470 – 70 + 80

8. 997 – 989

Word problems

Charlie has two garlands. One is **158** cm long and the other is **40** cm long. What is the total length of Charlie's garlands?

Kitchen puzzle

Part of Nicole's living room is being made into a kitchen.
The kitchen will be **380** cm long and **280** cm wide.
The living room is **310** cm longer in length and in width.
How big is Nicole's living room?