EASY PLACE VALUE

Overview:

This program is designed to help students understand the value of the Tens place as a collection or group of ten items. It allows for regrouping or "make a ten" activities to be visually displayed using multiple materials, including Unifix cubes, bundling sticks, and base ten blocks, as well as real world objects such as gum, pencils and marbles.

Main Interface:

Toolbox: multiple tools allow for manipulation on screen

Materials: Ones place Tens place

Close button: hides or displays place labels and dividing line

LED Screen: for display of number as entered

Close button: will hide the number as it is entered

Keypad: for entering numbers to be shown on screen

+ − : facilitate counting on or back by ones or tens

NAME Box: shows or hides the number name

NUMERAL Box: shows or hides the numerical symbol

Toolbox:

Pointer: resets cursor to a pointer

Pen: hold down for a pop-out panel to select one of the nine shades available

Animation: turns animation of grouping of ten on or off

Reset: resets the number shown back to zero

Add Tens: counts on 1, 2 or 5 tens

Adds Ones: counts on 1, 2 or 5 ones

Information: about this Gadget software

Eraser: removes all pen marks

Resource Materials: hold down for a pop-out panel to select resource type

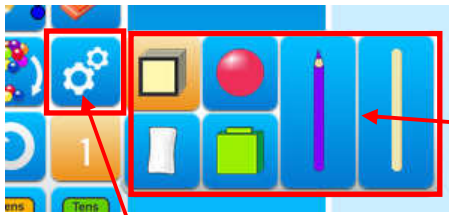**Counting:** hold for a pop-out panel to select counting by 1, 2 or 5

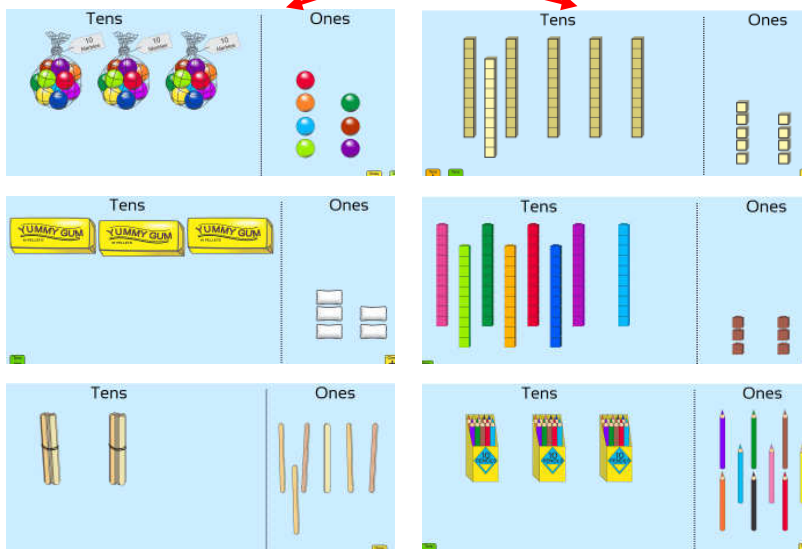**Subtract Tens:** counts back by 1, 2 or 5 tens

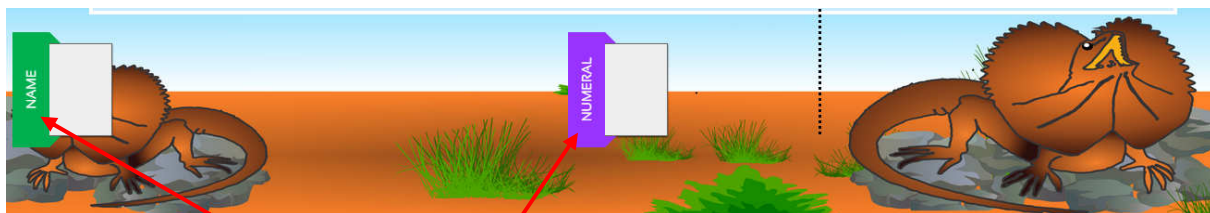**Subtract Ones:** counts back by 1, 2 or 5 ones

Toolbox: Continued

Pop-out Panel: Choose from
Base ten blocks
Gum
Marbles
Unifix cubes
Pencils
Bundling Sticks

Resources: hold down and pop-out panel appears

Choose Between: Counting by 1s, skip counting by 2s or 5s
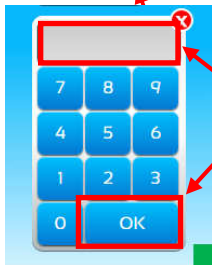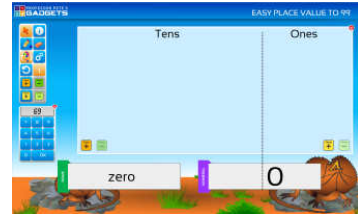
Counting: hold down and pop-out panel appears

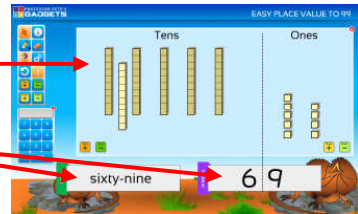**NAME and NUMERAL:** click to hide or reveal
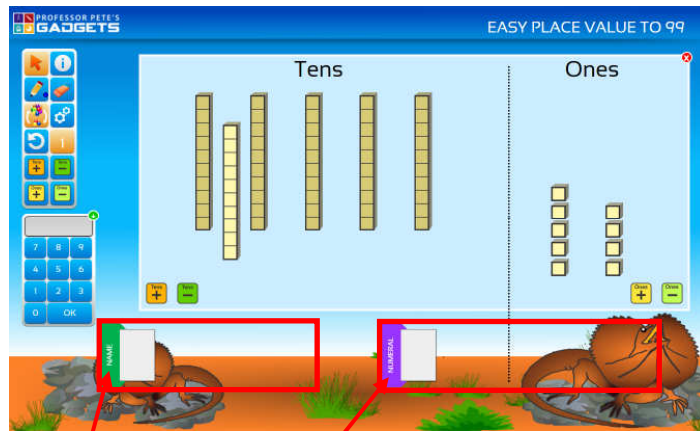
Keypad: Behaviour

Enter Number: to be displayed using chosen materials

OK: Click to show selected materials on screen
Number in LED disappears
Numeral and name appear in boxes (unless hidden)

Hide or Reveal : Click the cross and the number does not show in the LED screen whilst entering. Click OK and the hidden number entered will show on the screen. Best used with the NAME and NUMERAL hidden. This allows for secretly entering a number and then asking students to write the number shown by the manipulatives on-screen.
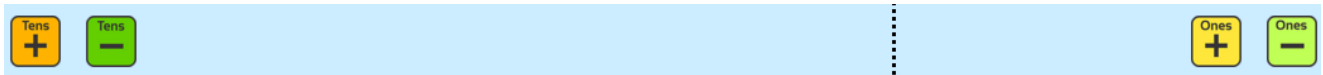
NAME and NUMERAL: hidden

Count on / back: Tens

Count on / back: Ones

Duplicated Functions:
These buttons located in the toolbox and below the tens and ones places have identical functions

Count on / back: Tens

Count on / back: Ones