

Read whole numbers and understand that the position of a digit signifies its value. Understand and use the concept of place value in whole numbers.

Think of a 3-digit number and enter it into your calculator. Pretend each digit is a "bowling pin." Knock down each pin one at a time, so that your calculator display shows 0. **A: Using subtraction**

B: Using addition

Calculator functions used: Subtraction, addition, last answer memory

Press the following buttons and then start operation. (N/C) MODE 0		
 (1) Enter a 3-digit number. 638 = 	638=	W-VIEV
	NI	638
(2) Knock down one digit, or "pin"; i.e. change the last digit to a 0.	ANS-8=	W-VIE\
- 8 =	NI	63(
(3) Knock down the next pin; i.e. change the tens column digit to 0.	ANS-30=	W-VIEV
— 30 =	N1	680
(4) Knock down the pin of the hundreds column. - 600 =	ANS-600=	W-VIE\
	N1	(

Number Bowling

B: Using addition		
Press the following buttons and then start operation.		
ON/C MODE 0		
(I) Enter a 3-digit number.	 638≕	W-VIEW
638 =		
	N1	638.
(2) Knock down one digit, or pin; i.e. change the last digit to a 0, except this time, do so by adding a number to the last digit to make it 0	ĤNS+2≕	W-VIEW
the last digit to make it 0.	N1	640.
+ 2 =		
(3) Knock down the next pin; i.e. change the tens column digit to 0.	ANS+68≡	W-VIEW
+ 60 =	NI	700.
(4) Knock down the pin of the hundreds column.	 ANS+300=	W-VIEW
+ 300 =	mino - 200-	
	N1	1'000.

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This activity is a good game for students to play in pairs.

One student enters a number in the calculator, and the other student has to knock each digit, or "pin," down.

Example: 638 - 8 = 630 630 - 30 = 600 600 - 600 = 0

It is important for students to talk about what they are doing and use the appropriate language, for example: "six hundred and thirty, minus thirty, equals six hundred." Students should be challenged to vary the starting point; i.e. sometimes starting with the hundreds digit and sometimes with the tens digit.

Further Ideas

• Play the game using 2-, 4-, or 5-digit numbers according to the ability of the students.