numberPressed(digit)...

Given a digit 0-9, update X and the display.

Let d be the distance between "." And "_" . Assume digit = 6.

Ex.   i = 0   3   X: 3.0000   Ex.   X = 1234567891234567891

Ex.   X: 1.58_   X = 1.58   ...1234567891234567891_

Start

Underscore? — No

Yes

Decimal place? — No

Y: 3.0000
X: 6_

Y: Peek()
X: digit_

Yes

d = 3   **Find d**

X = 10X + digit

$X = 10(1234567891234567891) + 6 = 12345678912345678916$

X = X + (digit * 10^(-d))

$X = 1.58 + (6 * 10(-3))$
$= 1.58 + .006 = 1.586$

X: 1.586_
...2345678912345678916_

Display X (formatNumber)

End