

LO: Dividing by 10

In this lesson, we're dividing by ten. We make the number ten times smaller.

$680 = 68 \text{ tens} \mid 680 \div 10 = 68$	$380 = \underline{\quad} \text{ tens} \quad 380 \div 10 = \underline{\quad}$
$300 = \underline{\quad} \text{ tens} \quad 300 \div 10 = \underline{\quad}$	$570 = \underline{\quad} \text{ tens} \quad 570 \div 10 = \underline{\quad}$
$130 = \underline{\quad} \text{ tens} \quad 130 \div 10 = \underline{\quad}$	$660 = \underline{\quad} \text{ tens} \quad 660 \div 10 = \underline{\quad}$
$220 = \underline{\quad} \text{ tens} \quad 220 \div 10 = \underline{\quad}$	$790 = \underline{\quad} \text{ tens} \quad 790 \div 10 = \underline{\quad}$
$320 = \underline{\quad} \text{ tens} \quad 320 \div 10 = \underline{\quad}$	$500 = \underline{\quad} \text{ tens} \quad 500 \div 10 = \underline{\quad}$

Challenges

While in Wonderland, Alice drank a potion and everything shrank. All the items around her became ten times smaller! Are these measurements correct?

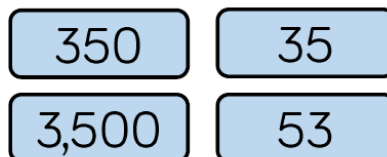
Item	Original measurement	After shrinking
Height of a door	220 cm	2,200 cm
Her height	160 cm	16 cm
Length of a book	340 mm	43 mm
Height of a mug	220 mm	?

Can you fill in the missing measurement?

Can you explain what Alice did wrong?

Write a calculation to help you explain each item.

Four children are in a race. The numbers on their vests are:



Use the clues to match each vest number to a child.

- Jack's number is ten times smaller than Mo's.
- Alex's number is not ten times smaller than Jack's or Dora's or Mo's.
- Dora's number is ten times smaller than Jack's.