

Combining Percents

Example - Percents are Being Applied at the Same Time

A \$15 CD (I know...who buys CDs these days?!?!) has 5% GST and 7% PST.
Calculate:

GST stands for government sales tax.
PST stands for provincial sales tax.
Currently in MB, GST is 5% and PST is 7%.

a) Total tax

b) Total cost

If percents are being applied to a number at the _____ (like tax), the percents _____ be _____.

Example - Percents are NOT Being Applied at the Same Time

In 2011, Langley population was 150,000 people.

In 2012, it increased by 10%.

In 2013, it increased by 5%.

How many people are there at the end of 2013?

If percents are being applied at _____ (like a discount on a discount) the percents _____ be combined. In this case, drawing a “_____” for each step is helpful.



Practice the following:

Required - Page 148 # 4-7, 9, 10

Optional (challenge yourself!!!) - Page 149 #13, 14

Outcome:

N3 - Demonstrate an understanding of percents greater than or equal to 0%