Challenge #5

During the fall close-out sales, Emma's Essentials offers 75% off all original prices. Descartes' Dresses offers another 25% off items already marked down to 50% of the original price.

Which is better and how much better?
Challenge #5  Solution

During the fall close-out sales, Emma’s Essentials offers 75% off all original prices. Descartes’ Dresses offers another 25% off items already marked down to 50% of the original price.

Which is better and how much better?

- ex $100 item
- EE: new price is \(0.25(100) = 25\)
- DD: new price is \(0.75[0.5(100)] = 37.50\)

EE is better than DD by $12.50

or (relative difference)

\[
\frac{12.50}{25} = 0.5 = 50\%
\]