

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 $.25(100) = \$25$

DD: new price is $0.75[0.5(100)] = \$37.50$

EE is better than DD by \$12.50

or (relative difference)

$$\frac{12.50}{25} = 0.5 = 50\%$$