# Answer on Question #45430 - Math - Algebra

**Problem.**

A new computer will load 17% faster than the old computer. It took the old computer 22 seconds to load one graphic and 9 seconds to load a
paragraph of text.
If you are loading a document with 2 graphics and 1 paragraph, how long with it take the new computer to load?

a 25.73 seconds

b 31.00 seconds

c 43.99 seconds

d 53.00 seconds

e 62.01 seconds

**Solution.**

The old computer needs $2 \cdot 22 + 9 = 53$ seconds to load a document with 2 graphics and 1 paragraph. The new computer will need $100 - 17 = 83\%$ of time that the old computer needs.
Hence the new computer needs $53 \cdot \frac{83}{100} = 43.99$ seconds.

**Answer.** c 43.99 seconds.