Archer has three sons named Tanner, Carver and Decker. Archer's age is three times the sum of Carver’s and Decker’s ages. The sum of Tanner’s and Carver’s ages is half Archer’s age. If Tanner’s age is three times Carver’s age, what is the ratio of the ages of Carver and Decker? Express your answer as a common fraction.

If ten times Tanner’s age is three times the product of Carver’s and Decker’s ages, what is the sum of the ages of Tanner, Carver and Decker?

If Archer’s age is $k$ times Carver’s age, what is the value of $k$?