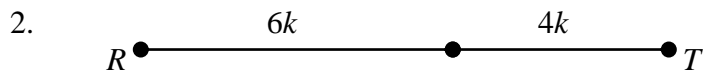


1. During a sale at a certain music store, if a customer buys one tape at full price, the customer is given a 50 percent discount on a second tape of equal or lesser value. If Juanita buys two tapes that have full prices of \$15 and \$10, by what percent is the total cost of the two tapes reduced during this sale?  
Show your work.



If the line segment  $\overline{RT}$  above has length 5, what is the value of  $k$ ?  
Show your work.

3. A baseball team won 48 of its first 80 games. How many of its next 50 games must the team win in order to maintain the ratio of wins to losses?  
Show your work.