

Trey has saved some money and is going to buy some music. The number  $N$  of CDs Trey can buy is inversely proportional to the cost  $C$  of a CD. If the cost of one CD is \$8, then he can buy 9. If the cost of one CD is \$12, then how many CDs can he buy?

Trey can buy \_\_\_\_\_ CDs.