

Task. Harry owns 216 CDs. If he has five times as many popular CDs as jazz CDs, how many popular CDs does he own?

Solution. Let j be the number of jazz CDs. Then the number of popular CDs is $5j$, and their sum is 216. So we have the following equation:

$$j + 5j = 216$$

$$6j = 216$$

$$j = \frac{216}{6}$$

$$j = 36.$$

Hence the number of popular CDs is

$$5j = 5 * 36 = 180.$$