

## SQRQCQ EXAMPLE

Letter	Instruction	Notes
<b>S</b> urvey	Read the problem rapidly, skimming to determine its nature.	<i>Problem is about bales, hay, fuel and rate per minute.</i>
<b>Q</b> uestion	Decide what is being asked-in other words, what the problem is.	<i>Trying to find how many bales of hay the tractor can produce with one gallon of fuel.</i>
<b>R</b> ead	Read for details and interrelationships.	<i>Each bale takes 2.5 minutes to produce. The tractor needs 3 gallons of fuel per hour.</i>
<b>Q</b> uestion	Decide which processes and strategies should be used to address the problem.	<i>Need to figure out how many bales are made in an hour, then divide by 3 to get bales per gallon because there are 3 gallons.</i>
<b>C</b> ompute	Carry out the necessary computations.	<i><math>60/2.5 = 24</math> bales in an hour.  <math>24/3 = 8</math> bales per gallon.</i>
<b>Q</b> uestion	Ask whether the answer seems correct. Check computations against the facts presented in the problem against basic arithmetic facts.	<i>Seems right. I would question my answer had my answer been under 2 bales/gallon or over 20 bales/gallon.</i>

**PROBLEM:** A tractor used for baling hay into 60-pound rectangular bales can produce one bale every 2.5 minutes. The tractor itself needs about 3 gallons of fuel per hour while it is baling hay. How many bales of hay per gallon of fuel can the tractor produce?