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Name ：
Mathematics－＋＋Junior 8
Exercices \＃ 4 －May 25－2011－p．1／1

## EXAMPLES of AMC 10 －PROBLEMS

1．How many pairs of positive intergers $(a ; b)$ are such that $a$ and $b$ have no common factor greater than 1 and $\frac{a}{b}+\frac{14 a}{9 b}$ is an integer．

2．Let a and b the roots of the equation $x^{2}-m x+2=0$ ．
Suppose that $\left(a+\frac{1}{b}\right)$ and $\left(b+\frac{1}{a}\right)$ are the roots of the equation $x^{2}-p x+q=0$ What is $q$ ？

