1996 FG10.3

分數 $\frac{p}{q}$ 已化成最簡形式。若 $\frac{7}{10} < \frac{p}{q} < \frac{11}{15}$,當中 q 是最小可能正整數,

且c = pq,求c的值。

The fraction $\frac{p}{q}$ is in its simplest form. If $\frac{7}{10} < \frac{p}{q} < \frac{11}{15}$ where q is the smallest

possible positive integer and c = pq. Find the value of c.

1997 FG4.3

已知m 及n 為兩個不大於10 的自然數。若c 為m 及n 滿足方程mx = n 之

組數,其中
$$\frac{1}{4} < x < \frac{1}{3}$$
。求 c 的值。

It is given that m and n are two natural numbers and both are not greater than 10.

If c is the number of pairs of m and n satisfying the equation mx = n, where

$$\frac{1}{4} < x < \frac{1}{3}$$
, find the value of c.

2005 HI1

若
$$p \rightarrow q$$
 是正整數且 $\frac{96}{35} > \frac{p}{q} > \frac{97}{36}$, 求 q 最小可能的值。

Suppose p, q are positive integers and $\frac{96}{35} > \frac{p}{q} > \frac{97}{36}$,

find the smallest possible value of q.

2010 HG7

設
$$m, n$$
 為正整數使得 $\frac{1}{2010} < \frac{m}{n} < \frac{1}{2009}$ 。求 n 的最小值。

Let *m*, *n* be positive integers such that $\frac{1}{2010} < \frac{m}{n} < \frac{1}{2009}$.

Find the minimum value of n.

Answers

1996 FG10.3	1997 FG4.3	2005 HI1	2010 HG7	
35	2	7	4019	