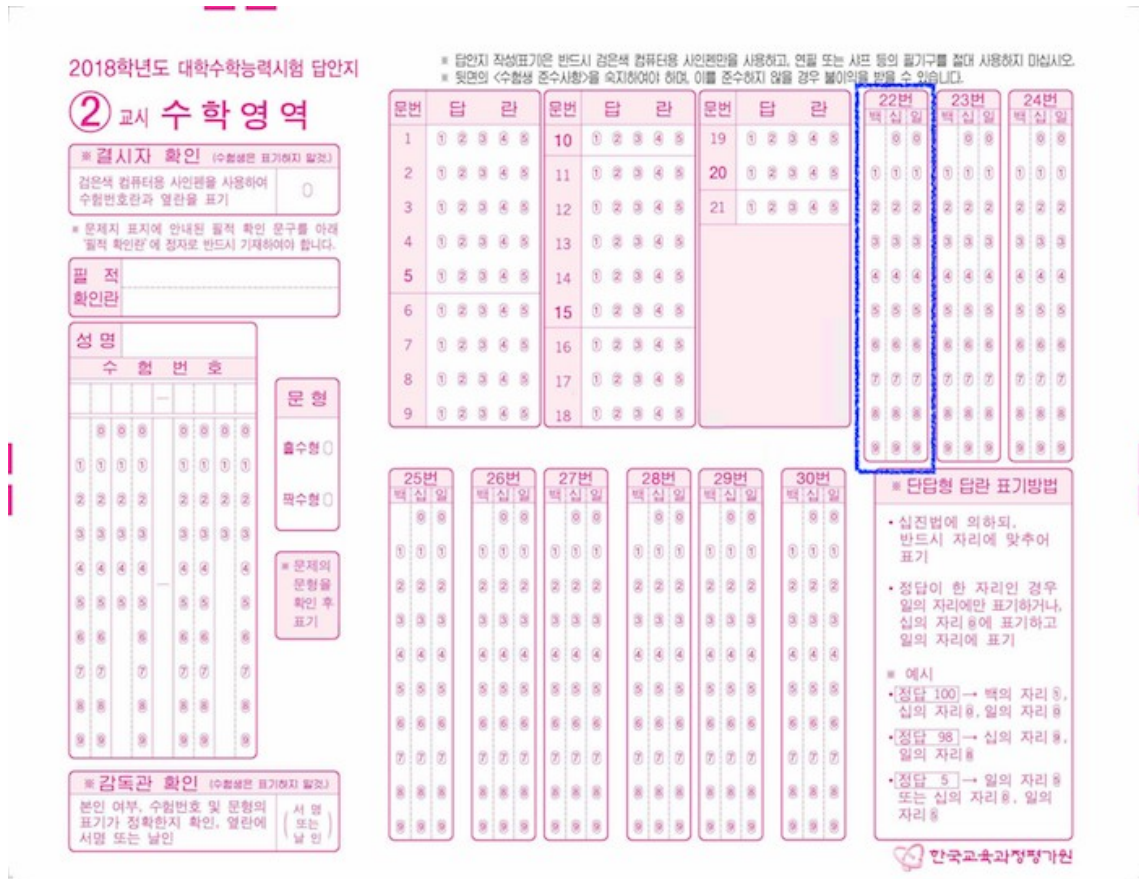


Problem A. Fractions

Input file: standard input
 Output file: standard output
 Time limit: 1 second
 Memory limit: 1024 megabytes

About 44 days are left before *College Scholastic Ability Test* is held. This exam aims to measure students' achievement of National Curriculum standards and scholastic ability required for college education. (<http://www.kice.re.kr/sub/info.do?m=0205&s=english>)

One of the subjects covered by this test is Mathematics, which consists of 21 multiple choice questions and 9 short-answer questions. The answer of each short-answer question is guaranteed to be a *unique positive integer below 1000*, as you can see from the answer sheet below.



However, the organizers might want to give students short-answer questions with non-integer answers, such as $2\sqrt{3}$ or $\frac{5}{3}$. Usually, the workaround is to write the answer in a canonical form, and then sum up all the integers inside that form and ask students to write that number instead.

In particular, when the answer is a positive rational number $\frac{a}{b}$, the organizers usually ask students to reduce it and sum up the numerator and the denominator of the reduced fraction. For example, when the answer is $\frac{18}{10}$, the student should reduce it to $\frac{9}{5}$ and write the final answer as $9 + 5 = 14$.

