

MAT118 Mathematical Thinking

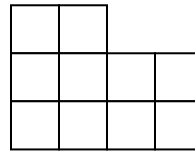
Quiz / September 6, 2006

Name:
(optional)

Major:

This quiz will not be graded. To answer the questions you do not need any special knowledge or skills. Just think of each question a little bit. Then you can give correct answers. Write your answer after each question.

1. Divide this figure into two equal parts.



2. A book costs 1 dollar plus half price of the book. How much is the book?

Answer:

3. There are 100 MPs (MP is a Member of Parliament) in a parliament. At least one MP is honest. For any two MPs, at least one of them is corrupt. How many corrupt MPs are there in the parliament?

Answer:

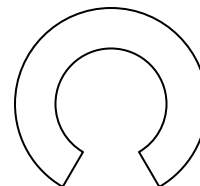
4. How many cuts do you need to cut a log into 7 pieces?

Answer:

5. A university first raised the tuition fees by 20% and then lowered them by 20%. When the tuition fees were less? Check the right answer

Before they were raised After they were lowered The same

6. Cut up a horseshoe into 6 pieces with 2 straight cuts.



7. Continue the sequence O, T, T, F, F, S, S, E, N, ...