

# Egyptian Fractions

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This activity was adapted from the NRICH Egyptian fractions activity.

## 1 Goals

The goals of this activity are:

1. To give students practice with important problem solving skills, especially experimenting by trying simple examples.
2. To give students a taste of what mathematical research looks like.
3. To give students practice with working with fractions.

## 2 Materials

For this activity you will need:

1. Handouts

## 3 Instructions

This activity will take approximately 60 minutes.

1. Form groups of 3 to 4 students, give students handouts, and explain the goals of the activity. Emphasize that there is no expectation that they solve all the problems on the handouts.
2. As students work on the problems, visit each group to answer any questions they may have.

## 4 Tips

1. This activity is pretty hard. It is important to emphasize that just playing around with the problem is completely fine!