

Construction Project

Your team will be constructing a suspension-like bridge of fraction strips. You have been given these materials:

- 6 60 cm strips
- 1 glue stick
- 1 large piece of construction paper

Using the centimeter strips, you need to:

- Decide how to cut the cm strips into fraction parts to represent these fractions:
- $1/2$, $1/3$, $1/4$, $1/5$, $1/6$, $1/7$, $1/8$, $1/9$, $1/10$, $1/11$, and $1/12$. (Each 60 cm strips represents one whole or one unit.)
- Make two sets of the fraction parts
- Label the fraction parts
- Record your strategy for deciding how to cut the individual fraction parts (separate sheets for this)
- Glue the fraction parts to the large sheet of construction paper provided
- Have the largest fraction at each end to form a suspension-like bridge as in the picture below
- Place any unused paper strips or partial strips in the envelope.



The team strategy for finding these fractions:

$\frac{1}{2}$

$\frac{1}{3}$

$\frac{1}{4}$

$\frac{1}{5}$

$\frac{1}{6}$

$\frac{1}{7}$

1/8

1/9

1/10

1/11

1/12
