

# Bits and Pieces

**You need**  long strips of thin paper such as tissue or crepe paper  
 a ruler  a stapler  scissors

## Activity One

1. Take a strip of paper and fold it in half lengthwise. Open it up. You will see:



Fold the same strip in half twice to make quarters.



How many creases and sections will the strip have now?

2. a. Continue folding your strip in half again and again. Copy and complete this table:

Folds	Creases	Sections
1	1	2
2		
3		
4		

- b. Use the patterns you find in the table to work out how many creases and sections will be in the paper strip after five, and then six, folds.

Check your predictions by folding a paper strip.

## Activity Two

To make a five-sheet booklet, Joel does this:



Fold a paper strip in a concertina like this.



Staple through here.



Cut along the two folds.

1. How many folds and cuts would it take to make:

a. a 17-sheet booklet?



b. a 25-sheet booklet?

2. Find a rule for the number of folds and cuts in a booklet if the number of sheets is given.

