



Name: ..... Form: .....

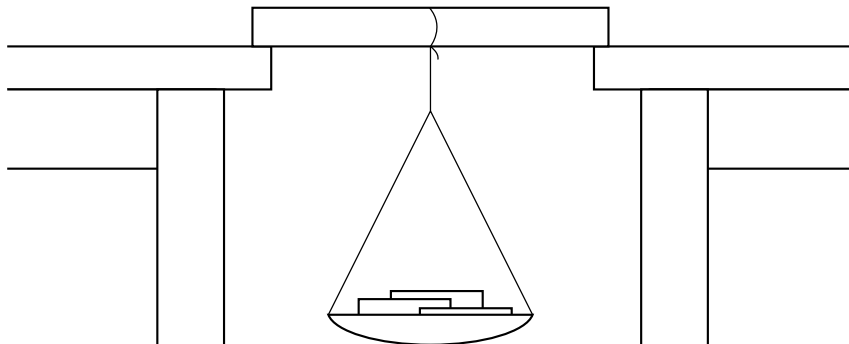
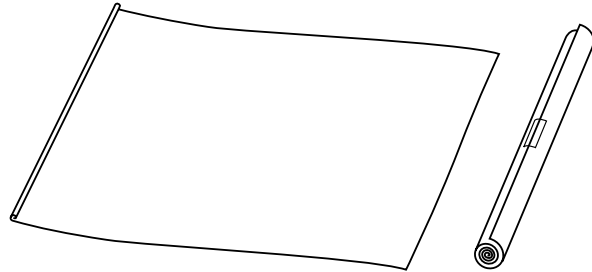
Based on pages 18 and 19 of *Keeping healthy*

# Are thicker bones stronger?

Try this...

1. Make a model bone by rolling a piece of paper into a tube. Hold the tube together with a piece of sticky tape.

2. Set up the model bone between two tables and hang a scale pan from it.



3. Add weights to the scale pan until the bone begins to bend.

4. Record the weight at which the model bone bent.  .....

5. Make a thicker model bone by rolling two pieces of paper into a tube.

6. Predict the weight needed to bend the second model bone.  .....

7. Repeat steps 2 and 3 with the second model bone and record your result.

 .....

8. Test model bones made from three sheets and four sheets of paper.

9. Present all the results in a table.

**Looking at the results.**

10. What do the results show?

 .....

 .....