



Name: Form:

Based on pages 8 and 9 of *Springs and magnets*

Investigating flat springs

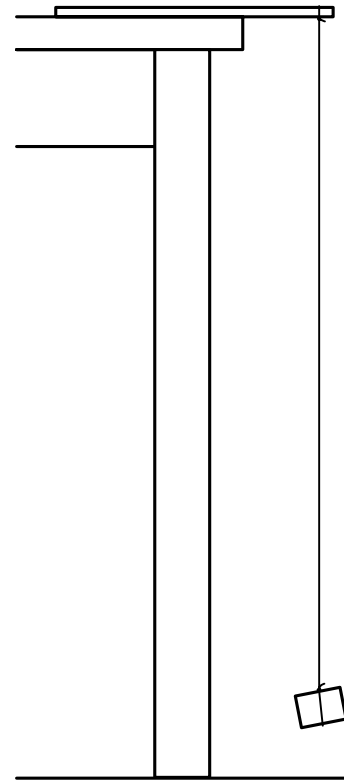
Try this...

1. Cut out 12 strips of cardboard. Each strip should be about 18cm long and 4cm wide.
2. Take one strip of cardboard and tie a small object to the end of it as the diagram shows.
3. Move the strip so that 6cm of it hangs over the end of the table.
4. Move the string so that it is 1cm from the end of the strip.
5. Bend the end of the strip down a little and let it go. What happens to the object on the string?









6. Predict what would happen if you used three cardboard strips instead of one.
7. Repeat steps 3, 4 and 5 with three cardboard strips. What happens to the object on the string?





8. Predict what would happen if you used 12 cardboard strips instead of one.
9. Repeat steps 3, 4 and 5 with 12 cardboard strips. What happens to the object on the string?



