5

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

Based on **pages 12 and 13** of *Forces in action*

Investigating levers

Try this...

1. Set up a wooden block, ruler and roll of Plasticine, or piece of chalk, to make a lever as shown in Diagram 1.

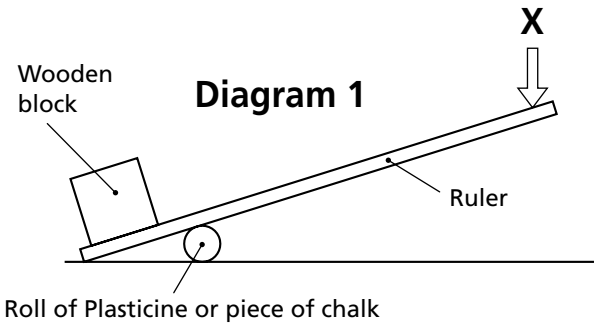
2. Push down at the point marked X.

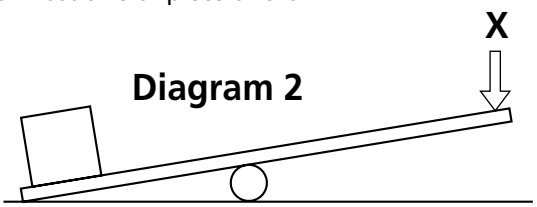
3. Set up a wooden block, ruler and roll of Plasticine, or piece of chalk, as shown in Diagram 2.

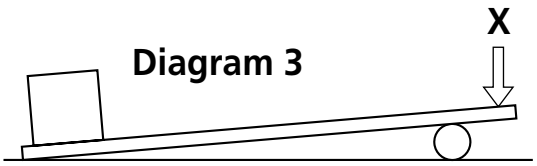
4. Push down at the point marked X.

5. Set up a wooden block, ruler and roll of Plasticine, or piece of chalk, as shown in Diagram 3.

6. Push down at the point marked X.







7. Which lever needs the least pushing force to lift the block?

✎ .....

8. Which lever needs the most pushing force to lift the block?

✎ .....

9. On a separate piece of paper, plan an investigation using a forcemeter to show how you could measure the force of the different levers shown in the diagrams, and of other levers not shown in the diagrams.

10. Show your teacher your plan. If your teacher approves, try your investigation.

Looking at the results.

11. What do your results show?

✎ .....

✎ .....