



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

Based on pages 8 and 9 of *Light and shadows*

# Investigating the height of a light

Try this...

1. You are given a torch and two rulers. How can you use them to find out how the light shining on a table changes as the torch is raised higher and higher off the table top? Write down a plan, or draw a picture, to show what you would do.

2. Make a table in which to record your results.

3. Show your plan to your teacher. If your teacher approves, try your investigation.

**Looking at the results.**

4. When was the smallest area of the table lit up?

 .....

5. When was the largest area of the table lit up?

 .....

6. What happened to the lit up area of the table as the torch was moved higher and higher?

 .....