



Name: Form:

Based on pages 8 and 9 of *How we see things*

Investigating light rays at a flat mirror

Try this...

1. Cut a slit in a piece of card as shown in Diagram 1. Do not make the slit wider than two millimetres.

Diagram 1

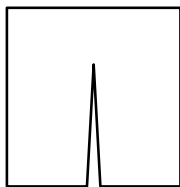
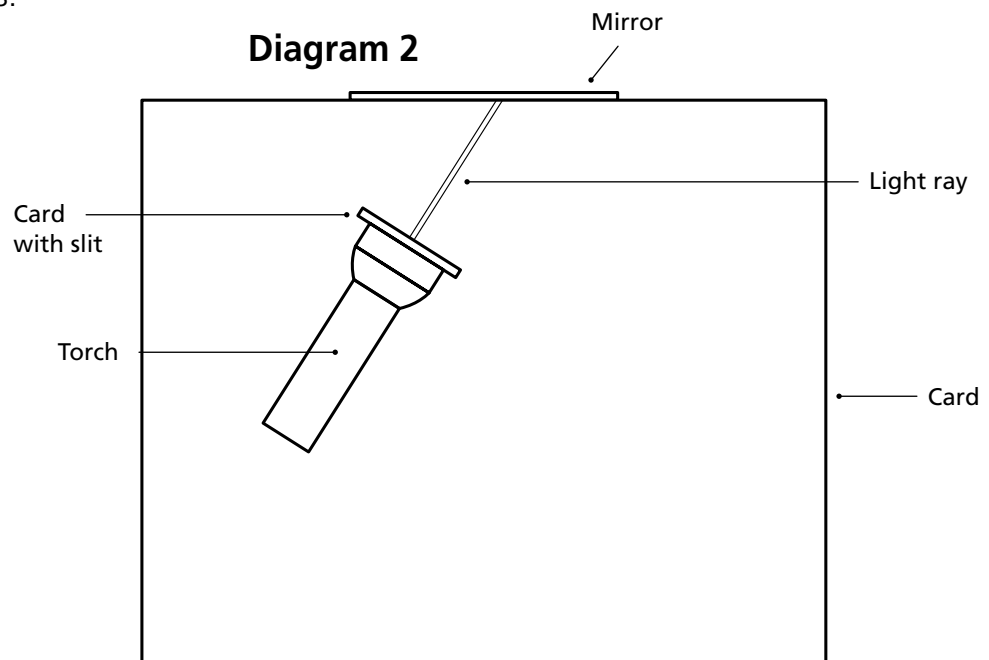


Diagram 2



2. Stick the piece of card to the front of a torch.
3. Set up the torch on a piece of white card near a mirror, as shown in Diagram 2. Check that your light ray is a thin beam, as shown in the diagram.
4. Shine the torch from different angles at the mirror and look at the angles of the rays after they leave the mirror.
5. On a separate sheet, make some drawings to show the light rays striking the mirror at different angles and the angles of the rays leaving the mirror.

Looking at the results.

6. Describe any pattern in the results that you see.



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