



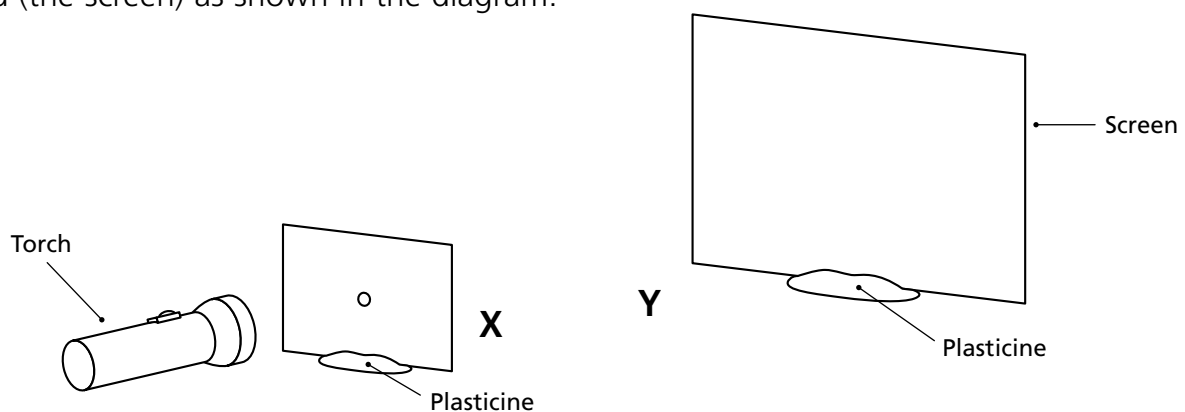
Name: Form:

Based on pages 4 and 5 of *How we see things*

Investigating light rays

Try this...

1. Take a piece of card and make a hole in it.
2. Put a piece of Plasticine on one edge of the card, as shown in the diagram.
3. In a dark or shady place, set up a torch, the card with the hole and a larger piece of card (the screen) as shown in the diagram.



3. Switch on the torch and move the card with the hole in it until you see a bright disc of light on the screen.
4. Switch off the torch and make a second card with a hole in it. Attach Plasticine to one edge of the card.
5. Switch on the torch and put the second card at point X. Move this card about to make a bright disc of light shine on the screen, then leave it in place.
6. Switch off the torch and make a third card with a hole in it. Attach Plasticine to one edge.
7. Switch on the torch and put the third card at point Y. Move this card about to make a bright disc of light shine on the screen then leave it in place.
8. How do you have to arrange the cards to get a bright disc of light to show on the screen?



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