



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

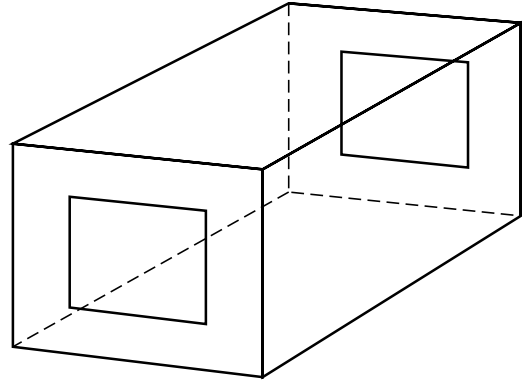
Based on pages 14 and 15 of *How we see things*

# The pinhole camera

Try this...

1. Take a small cardboard box and cut a window in either end as Diagram 1 shows.

Diagram 1

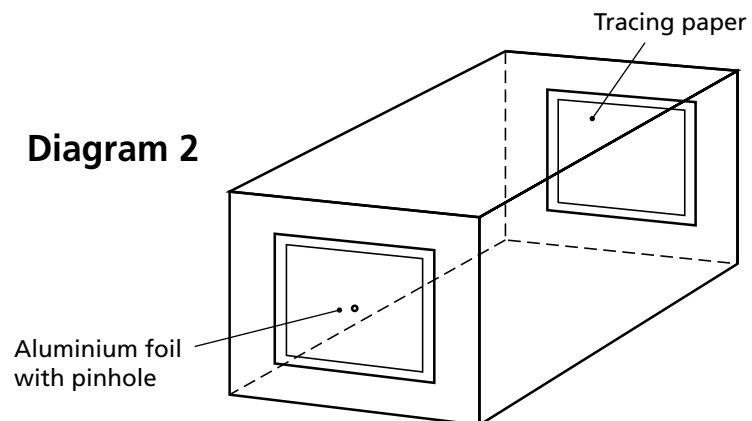


2. Stick a piece of tracing paper to one window.

3. Stick a piece of aluminium foil to the other window.

4. Use a pin to make a tiny hole in the centre of the aluminium foil. Your pinhole camera should look like the one in Diagram 2.

Diagram 2



5. Point the pinhole window at a brightly lit lamp and look at the back of the tracing paper window. Move the camera around until you can see a small bright light from the lamp on the tracing paper.

6. Describe the image of the object.



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7. Make the pinhole slightly larger and repeat step 5.

8. Make the pinhole slightly larger still and repeat step 5.

9. How did the image of the lamp change as the size of the hole increased?



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