



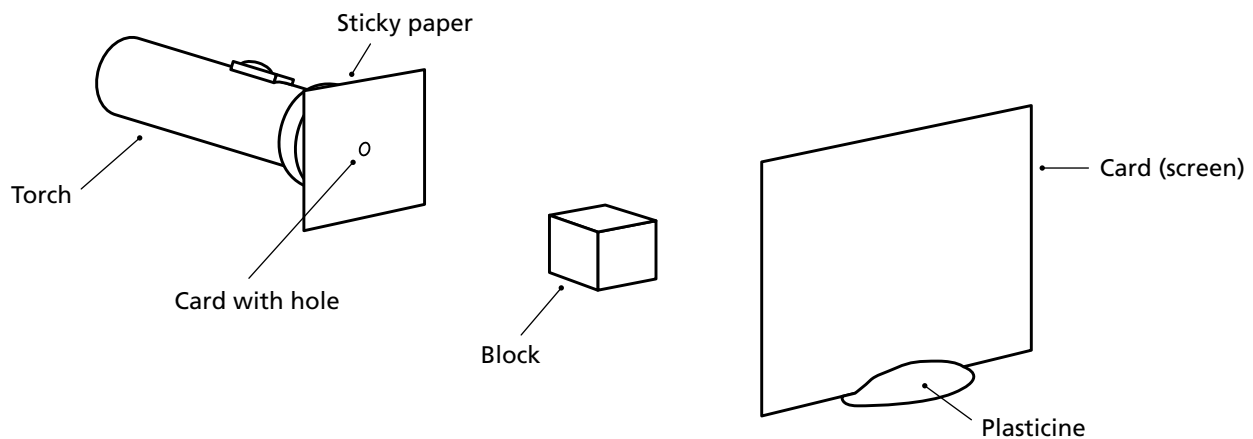
Name: Form:

Based on pages 6 and 7 of *How we see things*

Investigating shadows

Try this...

1. Set up the equipment shown in the diagram.



2. Find out how the size of the shadow changes when the torch and screen are kept in place and the object is moved between them. Each time you move the object, measure the distance of the object from the torch and the width of the shadow on the screen. Record your results in a table on a separate piece of paper.

3. What do the results show?





4. Predict how the size of the shadow would change if the distance between the torch and the object were kept the same but the distance between the object and the screen was varied.



5. Perform an investigation to test your prediction. Record your results on a separate piece of paper and compare it with your prediction.

Looking at the results.

6. What do the results show?



