

## 4.2 MEASURING SHADOW SIZE

A Describe what you observe during Step 2 of the Procedure.

B Record the diameter of the disk.

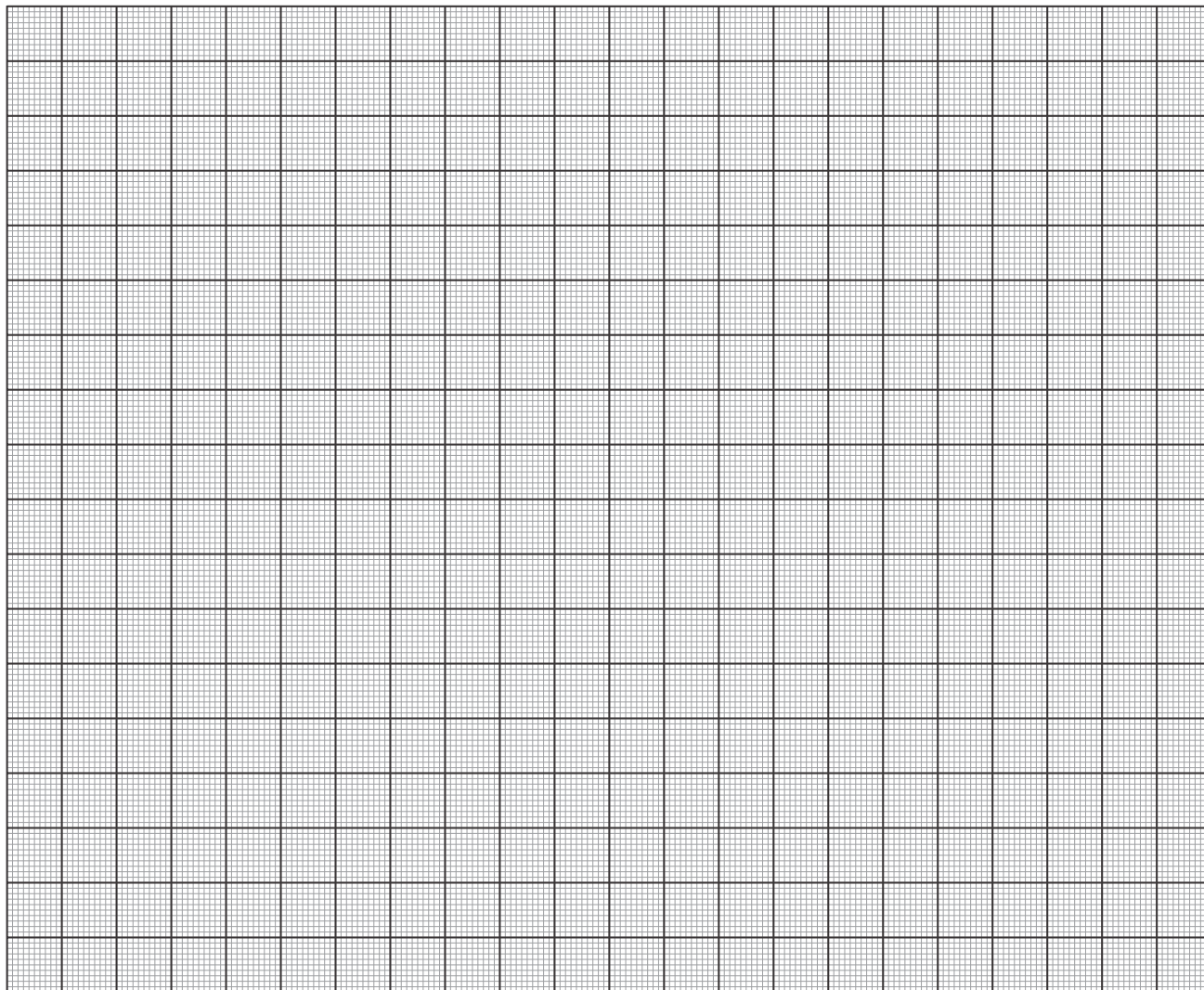
C Draw the shadow produced when you held the disk 20 cm from the screen.

D Design and draw a table to record what you observe as you hold the disk at different distances from the screen.

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## 4.2 MEASURING SHADOW SIZE (CONTINUED)

**E** Present your results as a graph.



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**F** Is there a relationship between the diameter of the shadow produced by the disk and the distance of the disk from the screen? Record your ideas.

(continued)

## 4.2 MEASURING SHADOW SIZE (CONTINUED)

- G Create a diagram to explain what you observed. Be prepared to draw your diagram for the class to discuss.

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