



Results and Patterns



Complete this table with your results as you carry out your investigation.

How do shadows change when the distance between the light source and the object changes?

Distance between the light source and the object.	Size of the object's shadow.
10cm	
20cm	
30cm	
40cm	
50cm	

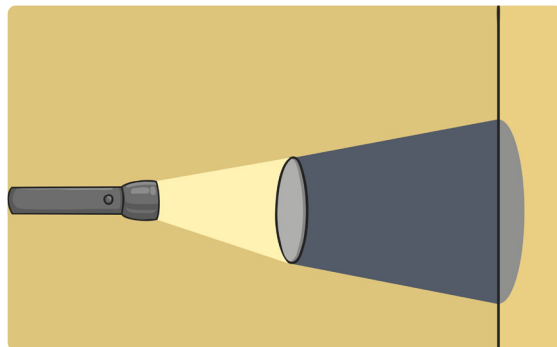
Look at the results you have collected. Do you notice a pattern? Does the size of the shadow change when the distance between the object and the light source changes?

Explain what you notice:

The pattern I have noticed is _____

Make a concluding statement to explain what you have found out:

I have found out that the _____ the distance between the object and the light source, the _____ the object's shadow is.





Results and Patterns

Complete this table with your results as you carry out your investigation.

How do shadows change when the distance between the light source and the object changes?

Distance between the light source and the object.	Size of the object's shadow.
10cm	
20cm	
30cm	
40cm	
50cm	

Look at the results you have collected. Do you notice a pattern? Does the size of the shadow change when the distance between the object and the light source changes?

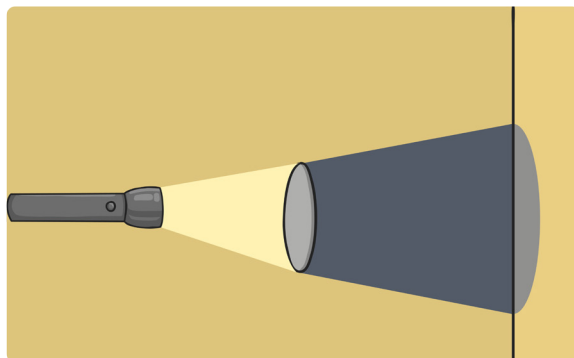
Explain what you notice:

Are there any results that do not fit your pattern? _____

If there are, can you think why? _____

Make a concluding statement to explain what you have found out:

I have found out that _____





Results and Patterns



Complete this table with your results as you carry out your investigation.

How do shadows change when the distance between the light source and the object changes?

Distance between the light source and the object.	Size of the object's shadow.

Look at the results you have collected. Do you notice a pattern? Does the size of the shadow change when the distance between the object and the light source changes?

Explain what you notice:

Are there any results that do not fit your pattern? _____

If there are, can you think why? _____

Make a concluding statement to explain what you have found out:

I have found out that _____

Can you explain why the shadow changes in this way? Think about how light travels.

