

## Task Sheet

I can make systematic and accurate measurements using standard units (centimetres)

### How much does a shadow change in size when a light source moves closer or further away

Distance between light source and object	Length of shadow
5cm	
10cm	
15cm	
20cm	
25cm	
30cm	
35cm	
40cm	

From my results I notice that ...

Can you make a shadow that is smaller than the object?

Why might this be?

How much larger than the object can the shadow actually get?

What happens to the shadow as it gets bigger?

Why might this be?