

Homework 29a/1 Reflection .

1. Use the words in the HELP-BOX to copy and complete the paragraph below.

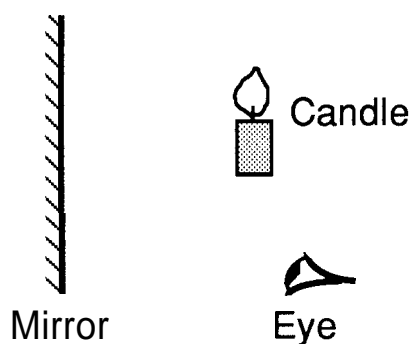
| | | |
|-------------------|-----------------|---------------|
| reflect image' | behind equal | left shape |
|-------------------|-----------------|---------------|

When you look in a mirror to check your appearance you see an of yourself. Rays of light from the mirror and the image appears to be the mirror. If you stand in front of the mirror with your right hand raised the image looks the same size and as you but it appears to have its hand raised. The distance of the image behind the mirror is to the distance of the object in front of the mirror.

2. Answer the two questions below in mirror writing.
(Hint: use a mirror and write in CAPITALS)

What is your name and address? (i)
? = 33 + 27 (ii)

3. Copy the diagram below.



On your copy of the diagram show:

- (i) the position of the image of the candle
(ii) how a ray of light from the candle reflects off the mirror to the eye.
4. Explain with the help of diagrams how you could arrange two plane mirrors in a tube (periscope) to look over a high wall.