

Reflections of Plane mirrors: How many images?

Aim: to investigate the law of reflection.

Equipment: [Watch the Reflecting images clip](#)

Protractor

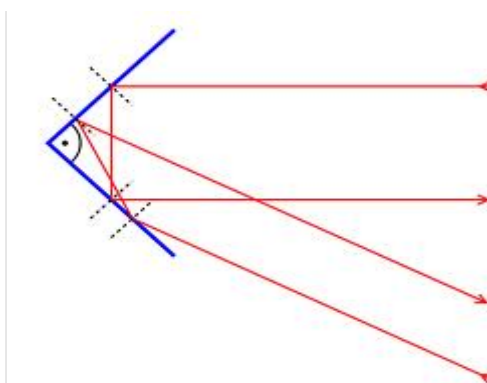
Small object to make images

Sheet of white A4 paper and pencil

2 flat mirrors

Method:

With 2 mirrors inclined towards each other, record how many images you can see and measure the angle.



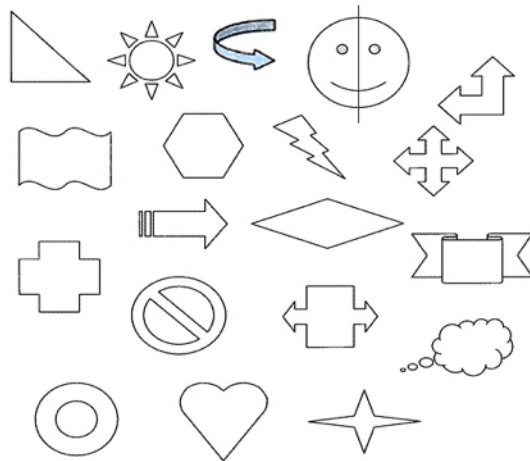
Angle between mirrors	Number of images

Conclusion:

Describe what happens and find a relationship between the numbers of images you could see compared to the angle between the mirrors.

Is it possible to have images that go on for infinity?

Use a mirror to find lines of symmetry of some objects. Colour blue if there are no lines of symmetry. Draw line of symmetry if there are.



Why is ambulance written like this on the front of ambulances?



Try <http://www.universalleonardo.org/playActivity.php?id=527>

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