

Name _____ Class _____ Date _____

1 Light is reflected by a mirror. How big is the angle of reflection compared to the angle of incidence? Tick (✓) *one* box.

- bigger
- the same size
- smaller

2 What is the angle between the normal and the mirror? Tick (✓) *one* box.

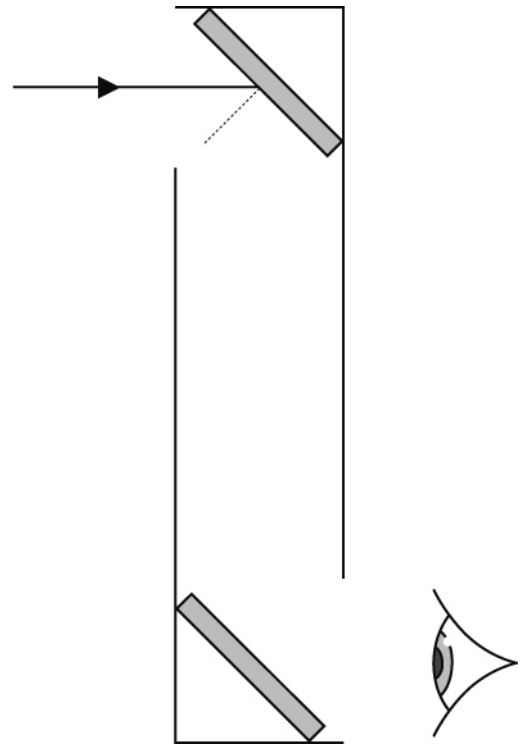
- 45°
- 60°
- 90°

3 Periscopes can be used to see over things. The diagram shows a ray of light entering a periscope.

- a Complete the lines to show the path of light to the eye.
- b Add arrowheads on the lines to show the direction the rays are travelling.

4 Label the following things on the diagram:

- a label the normal with an *n*
- b label the angle of incidence at the top mirror with an *i*
- c label the angle of reflection at the top mirror with an *r*
- d label the incident ray at the bottom mirror with *ir*
- e label the reflected ray at the bottom mirror with *rr*



5 How is the light reflected by a mirror different to the light reflected by a piece of paper?

I can...

- recall key words connected with mirrors
- describe how different surfaces reflect light.