Session 4 – Reasoning Activity – Let us Reflect

You will need a mirror for this activity.

Here is a square:

Where can you put the mirror across the square so that you can still 'see' the whole square?
How many different positions are possible?
How many lines of symmetry does a square have?

Can you reflect part of the square so that you can see a smaller square?
A rectangle? A kite? A hexagon? An octagon?
What do all the shapes have in common?

Record your findings below by drawing and/or writing what you found out: