Date: w/c 27.4.20

MPI: Reasoning to work out the fraction of a whole

Solution: so the small triangle is 1/512 of the whole.

Did you get that?

This is the explanation for how I worked it out—there are other ways to explain it of course.

The solution to the question is 1/512.
The explanation is, after I created the flower I coloured the triangle as I needed to find out what fraction this triangle was out of the original square.
I unfolded the flower so that I had the original square with the coloured triangle in the corner.
I then marked a quarter of the big square, then a quartered of this smaller square which gave us 1/16 of the large square (the whole).
I quartered the new square which then represented 1/64 of the whole.
Yet again 1 quartered the new square giving us 1/256 of the whole.
The marked triangle was half of this so this time I halved the 1/256 and got 1/512.