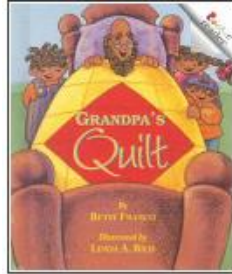


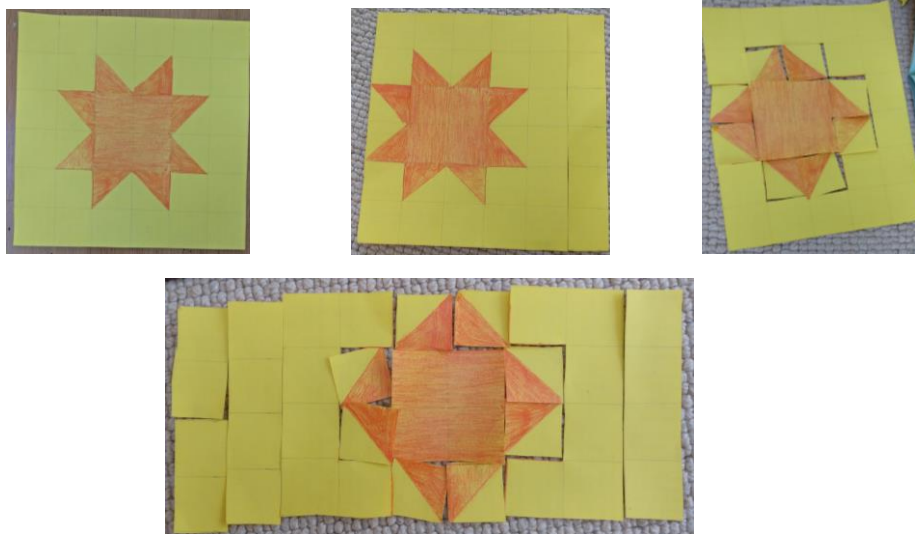
**Mathematical moments:**

**Spatial reasoning with 7 year olds**

***Grandpa's Quilt***



Amy (aged 7) and her mum, Liz, read the story [\*Grandpa's Quilt\*](#) by Betsy Franco, which is about children tackling the problem of remaking Grandpa's quilt so it will cover his feet, which were sticking out and getting cold. Amy wanted to make a quilt and cut it up like the children did. She counted the squares of the quilt (36) and recreated it using red crayon on yellow paper. Amy and Liz read the book again, acting out the turning and then the cutting and re-placing of the squares as they went along.



They then wondered what other rectangular quilts they could have made using the squares, and this led Amy to decide that  $3 \times 12$  wouldn't have worked for Grandpa either, and certainly not  $2 \times 18$  or  $1 \times 36$ !

Acknowledgement: Liz and Amy Woodham

