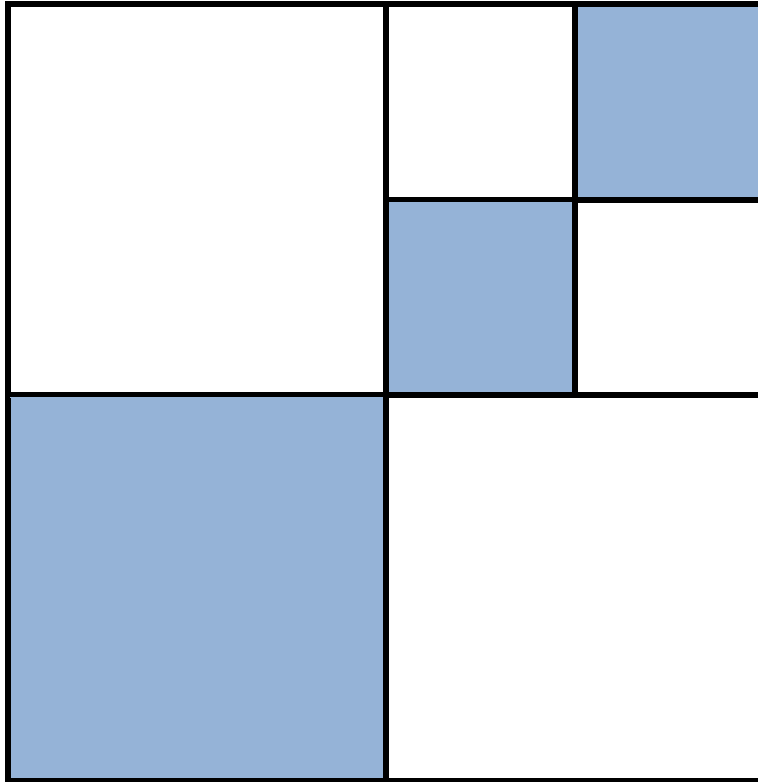


# KS2 Problem Solving Questions

Friday 24<sup>th</sup> March 2017

- 1 A square is divided into smaller squares.



What fraction of the shape is shaded?

- 2 Sophie has some marbles.

The marbles are identical.



The mass of an  
**empty** jar is 480g



The mass of the jar when **full** with  
the marbles is 1.2kg

What is the mass of the jar when it is  
**half full** with marbles?