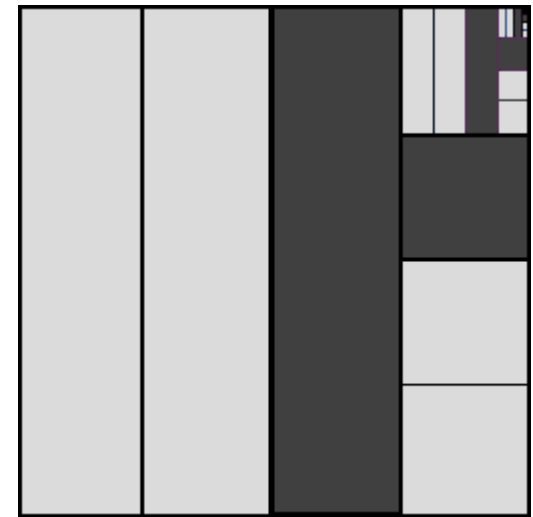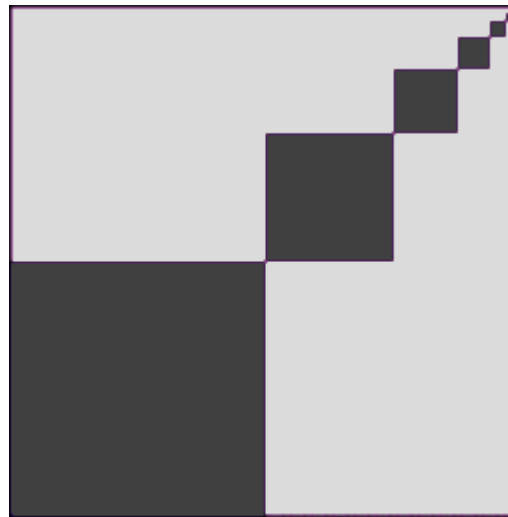# Diminishing Returns – Sheet 1

For each image:

- Work out what fraction of the total is taken up by the five largest dark grey shapes.
- Add your fractions to estimate the proportion of the total that is coloured dark grey.
- If each process could be continued forever, what proportion of the whole image would be coloured dark grey?

<http://nrich.maths.org>
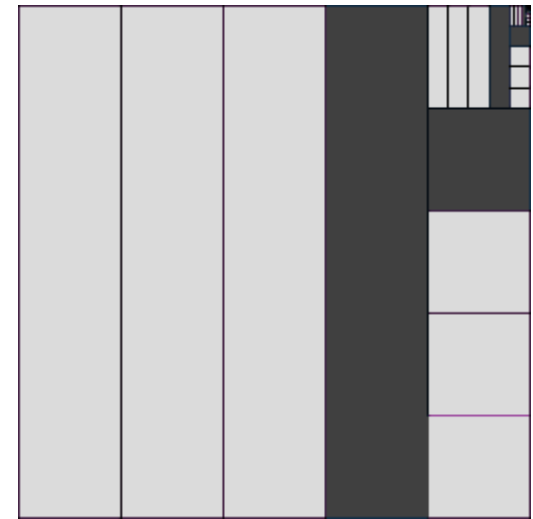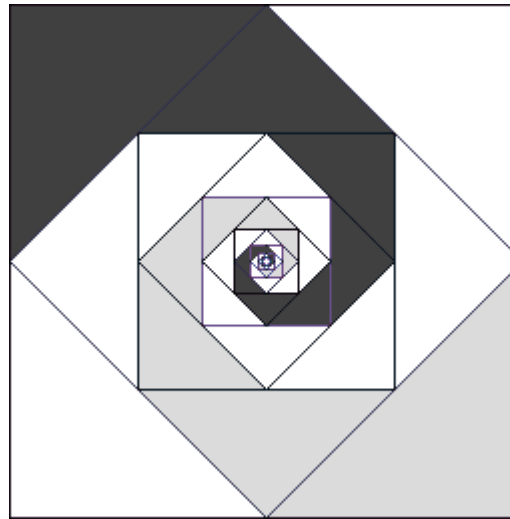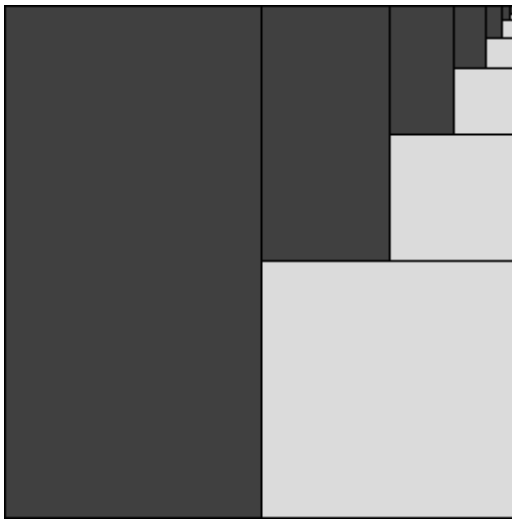
Diminishing Returns – Sheet 2

For each image:

- Work out what fraction of the total is taken up by the five largest dark grey shapes.

- Add your fractions to estimate the proportion of the total that is coloured dark grey.

- If each process could be continued forever, what proportion of the whole image would be coloured dark grey?

Diminishing Returns – Sheet 3

For each image:

- Work out what fraction of the total is taken up by the five largest dark grey shapes.

- Add your fractions to estimate the proportion of the total that is coloured dark grey.

- If each process could be continued forever, what proportion of the whole image would be coloured dark grey?