

# Corbett's Conundrums

1<sup>st</sup> January

Three rectangles are lined up horizontally as shown.

The first rectangle has a width of 2cm and length of 4cm.

The second rectangle has a width of 4cm and length of 8cm.

The third rectangle has a width of 8cm and length of 16cm.

A straight line joins the bottom left corner to the top right corner.

Find the area of the shaded region.

