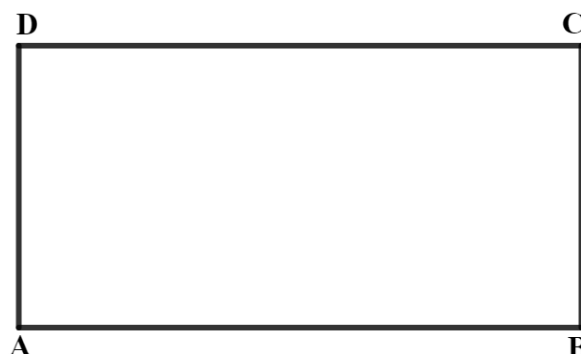


GCSE Mathematics (Grade 9-1)

Problem Solving – {Aimed at students working towards Grade 5 or 4} - (Sample 1)

1. ABCD is a rectangle



The length AB of the rectangle is 6 cm longer than the width BC
Given that the perimeter of the rectangle is 41 cm,
calculate the area of the rectangle.

Give your answer to 3 significant figures

2. Lee, Amelia and Jaik shared some money in the ratio 3 : 5 : 8
20% of Jaik's share was £350
How much more did Amelia received than Zara?

3. Mr Anderson is 10 times as old as his daughter Sally
In 32 years, the ratio of their ages will be 2 : 1
How old is Mr. Anderson now?

4. William is 170 cm tall
Adam is $\frac{7}{8}$ as tall as William
Noah is $\frac{5}{4}$ as tall as Adam
Who is the tallest of the three?

5. Amy buys some packs of sweets for £3.90
If Amy had £4.50, she could buy two more packs of the same sweets
than she had with £3.90. How many packs did Amy buy with £3.90?