Question 1:
A rectangular box is 2cm high, 4cm wide and 6cm deep. Matthew packs the box with cubes, each 2cm by 2cm by 2cm, with no space left over.

How many cubes does he fit into the box?

Question 2:
Renee starts with the number 5 and counts by 8s. This results in the sequence 5, 13, 21, 29, 37 and so on.

What is the 25\text{th} number in the sequence?

Question 3:
Assuming that each corner must be tacked, what is the least number of tacks that you need to display 4 rectangular pictures of the same size and shape so that they can all be seen?
Question 4:
How many different three-letter code words can you make using the letters P, Q and R if repetition of the letters is permitted?

Questions 5:
A represents a counting number. Find the value of A if:

\[
\frac{A + A}{A \times A} = \frac{1}{3}
\]