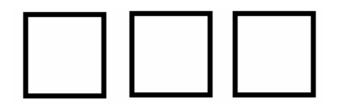**Problem Solving Week 11**

Foundation:
Study the numbers below:

3, 8, 1, 7, 9, 2, 4, 5

Chose one square number, one prime number and one cube number **from the list** and place them in the boxes below to make the largest possible 3 digit integer.

□ □ □

Higher:
A rectangle has side lengths of $(t-4)$ and $(t+7)$.

Given that the area of the rectangle is 42, find the perimeter of the rectangle.
You must show full workings by setting up and solving an equation.
No marks will be awarded for trial and error.