

# KS2 Problem Solving Questions

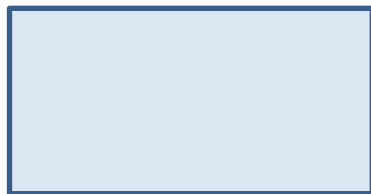
Tuesday 7<sup>th</sup> March 2017

- 1 (a) The area of a square is  $64\text{m}^2$



What is the perimeter of the square?

- (b) A rectangle is 2cm longer than it is wide.

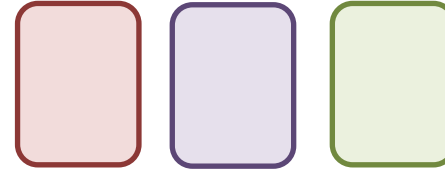


The perimeter of the rectangle is 44cm.

Find the area of the rectangle.

*(You may find it useful to draw a bar model)*

- 2 Maria has three number cards.



One of the cards has a value of 35

The other cards have a smaller value.

When you add the cards you get.

$$\text{Red card} + \text{Purple card} = 62$$

$$\text{Green card} + \text{Purple card} = 38$$

$$\text{Red card} + \text{Green card} = 46$$

What is the value of each card?