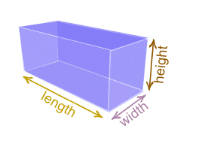
**Chocolate boxes**

Design as many boxes as you can that can hold 36 chocolates (each of which is a small cube).

Is there a design that uses the least amount of paper to cover all the sides? How can you be sure that your answer is correct?



**Design one**

Dimensions of the box Total surface area of the box

**Design two**

Dimensions of the box Total surface area of the box

**Design three**

Dimensions of the box Total surface area of the box

**Design four**

Dimensions of the box Total surface area of the box

**Design five**

Dimensions of the box Total surface area of the box

**Design six**

Dimensions of the box Total surface area of the box