

➤

I have a present to wrap for my friend. It comes in a cubic box which has side of length 30 cm. How long a piece of wrapping paper will I need to cut from the roll?



This problem is deliberately vague in the information given. It is set up for discussion.

If the wrapping paper is wide enough for the sides to be easily covered, the solution is pretty easy. A length that is a little over $4 \times 30 = 120$ cm would be sufficient.

It is the questions that can be asked that make this more interesting.

What is the width of the paper is not sufficient to cover the sides?

What happens if you wrap the present at an angle to the paper?