

Wallpapering

Wallpaper is sold in rolls with a standard length of 10 m and a standard width of 52 cm.

1. How many complete lengths can you cut from a roll if the wall you are preparing is 2m high?

Complete lengths $10 \text{ m} \div 2 \text{ m} = 5$ lengths of 2 m each

- b) In practice a wallpaper hanger cuts **an extra 10 cm** and then trims the right length when s/he hangs the wall paper on the wall.

Also, the wallpaper must be a full length from top to bottom.

Does this change your previous answer?

Yes

In my previous answer, there is no extra length for trimmings.

Each length with trimming is 2 m 10 cm (210 cm)

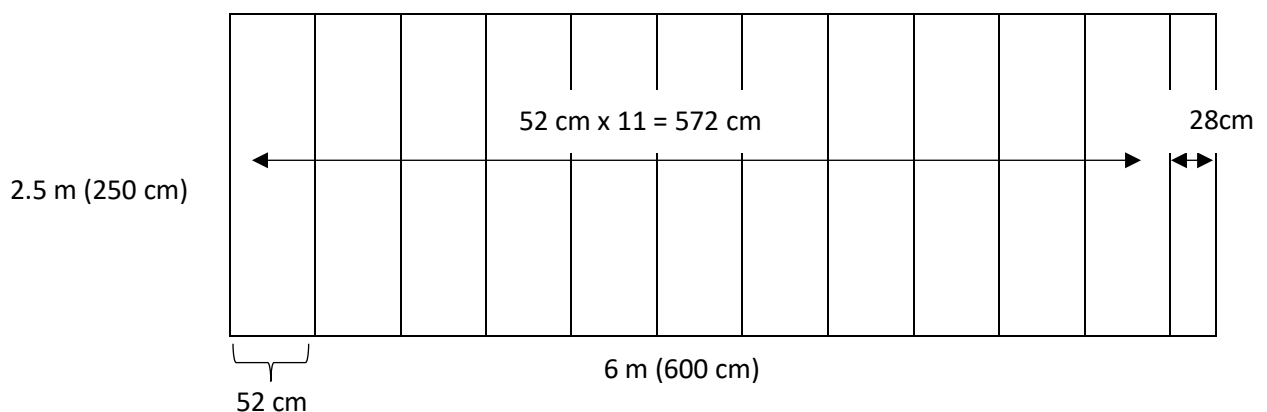
Then there are only 4 complete lengths available.

2. Steps to take before calculating how much wall paper do you need to cover a wall/a whole room.

- Measure width and height of wall/s
- Subtract doors, windows or any other openings.
- Calculate extra trimmings.

- a) How much wall paper do you need to cover this wall?

Use diagram to show a visual.

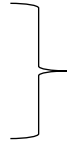


The diagram above shows that one needs 12 full lengths of 2.5 m + trimmings

1st length 2.6 m

2nd length 2.6 m

3rd length 2.6 m



7.8 m (there is 2.2 m left in the roll however this cannot be used for the 4th length because there is not enough for a full length.)

Therefore, from 1 roll are 3 full lengths.

For 12 lengths, I need 4 rolls of wallpaper.

3. Look at your room.

If you decide to wall paper one of your bedroom walls, how many rolls are needed?