



PROJECT – RENOVATING MY ROOM

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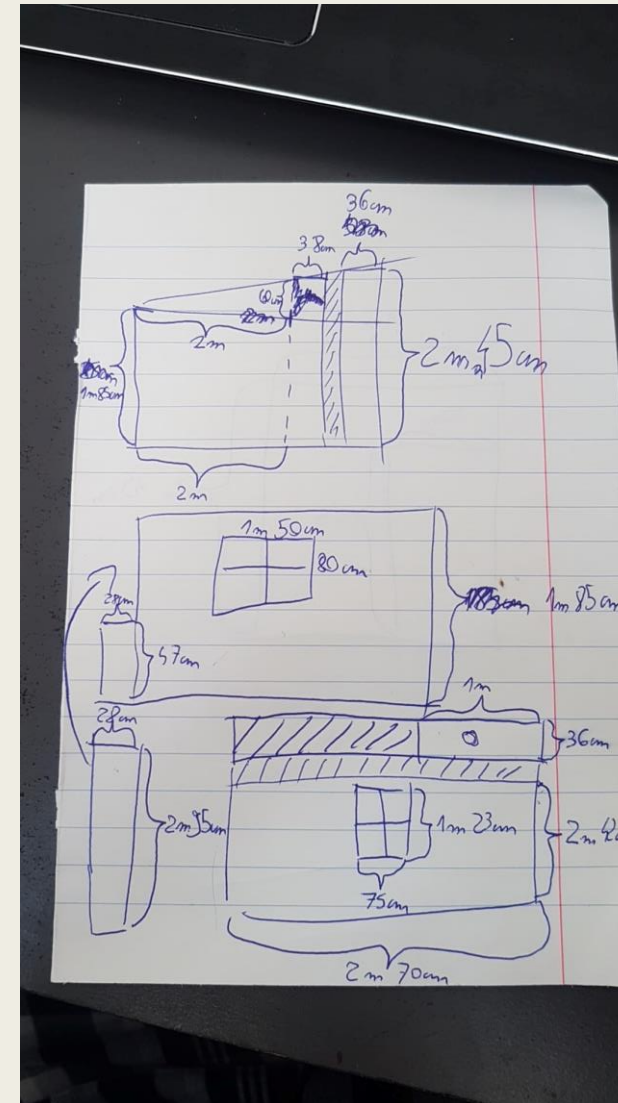
To Begin with...

I have started thinking about my project in Saturday. At the beginning I wanted to do biology project but after much thought i wasn't sure that biology project will be easy and interesting to choose. Moreover my mum wanted me to do biology project. Finally i decided in Thursday that i will do maths project.



First progresses

After i have chosen the topic of the project i started from draw all walls that i will paint on paper. It wouldn't be easy to calculate without it. Unfortunatley I'm living in the attic wherefore my ceiling isn't straight. Then I have wrotten an email to P. Deruś about my decision. Of course P. Deruś agreed.



Light effort

Then i have started doing the hardest work in all project. Specifically, that was the dimensioning all walls. Unfortunatley i didn't have the usual measuring tape. I had only a tailor's measuring tape. The demensioning wasn't simple and fast. I was doing it about 3 hours.



In Wednesday

I have started next day from the online meeting with P. Boryc. He explained how to do raport correctly. After he ended the meeting i started doing raport. At the begining of the raport i wrote „main goal” – what i want to achive and „success criteria” – what i should do to achive the main goal. Subsequently I started calculating areas of all walls and ceiling in my room.

$$5 \quad P = (a \cdot b) - (\text{Window area})$$

$$\text{Window area} = ~~2,15~~ c \cdot d$$

$$* c = 1,5 \text{ m}$$

$$d = 0,8 \text{ m}$$

$$\text{window area} = 1,2 \text{ m}^2$$

$$P = (a \cdot b) - 1,2 \text{ m}^2$$

$$a = 1,85 \text{ m}$$

$$b = 2,7 \text{ m}$$

$$P = 49,95 \text{ m}^2$$

$$6,8 \quad P = a \cdot b$$

$$a = 0,8 \text{ m} \quad b = 0,17 \text{ m}$$

$$P = 0,136 \text{ m}^2$$

$$7 \quad P = a \cdot b$$

$$a = 1,5 \quad b = 0,17$$

Finally...

Finally I calculated the area of all walls and ceiling in my room that are intended to paint.

$$\begin{aligned} P(m^2) &= 0,931 + 0,931 + 0,826 + \\ & 0,441 + 0,441 + 3,92 + 3,92 + \\ & \cancel{1,2} 4,935 + 0,136 + 0,136 + \\ & 0,255 + 0,882 + 0,85 + 0,36 + \\ & \cancel{1,2} 5,6115 + 0,2184 + 0,3276 = \\ & 25,1915 \approx 25 m^2 \end{aligned}$$

Where I have chosen the paint and painting tools?

Next day, in Thursday I started looking for tools and paint in online store Leroy Merlin. Then I had another meeting with P. Boryc. I asked about quantity of the paint. Before I chosen paint i read some important informations about it. Then I chose paint and painting tools.

The screenshot shows the Leroy Merlin website's product page for a painting kit. The URL is leroymerlin.pl/narzedzia-reczne/pedzle-walki-kuwety/walki-malarskie/zestaw-malarski-do-scian-gladkich-6-czesci-walek-raczka-kuweta-foia-pedzel-tasma-global,p391462,1756.html. The page features a green header with the Leroy Merlin logo and navigation links. The main content area displays a blue tray, a brush, a roller, and a bag of paint. The product title is "Zestaw malarski do ścian gładkich 6 części (wałek, rączka, kuweta, folia, pedzel, taśma) GLOBAL". The price is 38,99 zł/szt. The product has a 3.9-star rating and 34 reviews. The brand is DEXTER. The material is Mikrofibra. The kit includes a roller 18 cm, a brush 18 cm, a brush 15 mm, a tape 50 m x 25 mm, and a sheet 4 x 5 m. The available packaging is: Roller for walls and ceilings 180 mm, spare roller 180 mm, universal brush 15 mm, roller 180 mm, painter's tape 50 m x 25 mm, and protective sheet 4 x 5 m. The product benefits are high quality and the brand is DEXTER. The page also includes a "Dodaj do koszyka" button and a "Wybierz sklep i zamów" button.

The screenshot shows the Windows taskbar and the browser address bar. The taskbar includes icons for the Start menu, File Explorer, Microsoft Edge, and other applications. The browser address bar shows the URL leroymerlin.pl/narzedzia-reczne/pedzle-walki-kuwety/walki-malarskie/zestaw-malarski-do-scian-gladkich-6-czesci-walek-raczka-kuweta-foia-pedzel-tasma-global,p391462,1756.html. The page content is partially visible, showing a green banner with text about cookies and a search bar.

The screenshot shows the Leroy Merlin website's product page for a paint. The URL is leroymerlin.pl/farby/farby-do-scian-i-sufitow/farby-scienne-biale/farba-wewnetrzna-impressive-white-2-5-l-biala-magnat,p589847,1742.html. The page features a green header with the Leroy Merlin logo and navigation links. The main content area displays a white paint can. The product title is "Farba wewnętrzna Impressive white 2.5 l biała Magnat". The price is 49,21 zł/szt. The product has a 4.4-star rating and 7 reviews. The brand is MAGNAT. The paint is a white, matte, antistatic, and resistant to staining. The available packaging is: 2.5 l. The paint is suitable for walls and ceilings. The application time is 3 hours. The drying time is 3 hours. The page also includes a "Wybierz sklep i zamów" button.

Raport

- After I have chosen paint, I calculated the cost of renovating. Moreover I calculated the cost of paint that i will use. Finally I ended raport and start doing the poster. In poster I concluded all important things about my project. I did poster really fast (20 minutes).

My poster

Renovating my room

Main goal

I have achieved main goal. The price for renovating is 137,41 zł.

Secondary goals

I also did some secondary goals that brought me closer to main goal:

- I have divided walls in my room
- I have dimensioned walls in my room
- I have calculated the entire area that I will paint
- I have chosen paint and painting tools.
- I calculated the cost for paint corresponding for used paint.

THANK YOU



FOR YOUR ATTENTION

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