



Year 11 Transition Painting and Decorating

Area: real life practice - redecorating

You are going to produce an estimated cost of redecorating the training room. New carpet will be bought, the walls will be repapered, and the ceiling painted.

Before you start discuss with the group what measurements are you going to use? Will you approximate or "round off" these figures? What is a sensible amount?

An answer sheet is provided on page 2 but you can use rough paper and graph as needed.

Task A: Carpeting the Floor

1. Measure the length and width of the room and calculate the area of the floor.
2. Use the Internet to research the price of carpet and select a carpet for the room.
Useful fact: *Carpet is sold by the square metre*
3. Work out the cost of the carpet for the room.

Task B: Painting the Ceiling

1. Measure the length and width of the room and calculate the area of the ceiling.
Useful fact: *A litre of paint will cover 15 square metres.*
2. Calculate how many litres of paint you will need for the ceiling?
3. Use the Internet to research the price of paint. Select a type of paint and calculate how many pots you would need to buy.
4. Work out the total cost of this paint. (You can round if you want)

Task C: Wallpaper

1. Measure the walls of the training room and work out the total area.
2. Work out the area of the doors and windows and subtract this to work out the total areas which need wallpaper.
3. Research the price of wallpaper on the Internet and chose which one you will use.
Useful fact: *A standard wallpaper roll is approximately 10m long and 0.5 metres wide.*
4. What is the area of a standard roll of wallpaper?
5. How many rolls will you need to paper the training room?
6. Work out the cost of this wallpaper.

Conclusion

1. What is the total cost of the redecorating?
2. Discuss with your group any other expenses you think might be incurred while decorating? How would you go about calculating these?

Area: real life practice - redecorating

Task A

The training room floor is _____ long and _____ wide.

This means that the area is _____, measured to the nearest _____.

The carpet I have chosen is _____ and costs _____ per _____.

The total cost of the carpet for the room will be _____.

Task B: Painting The Ceiling

The training room ceiling is _____ long and _____ wide.

This means that the area is _____, measured to the nearest _____.

I will need _____ litres of paint to cover this.

I have chosen to use the following paint: _____

This paint comes in pots of _____ and I will need _____ pots.

This will cost _____ (to the nearest _____)

Task C: Wallpaper

Height of wall	Length of wall	Area of wall
Total area		<input style="border: 2px solid black;" type="text"/>

Height of Door	Length of Door	Area of Door
Height of window	Length of window	Area of window
Total Area of Windows & Doors		<input style="border: 2px solid black;" type="text"/>

The total area to be wall papered is:

The paper I have selected is _____.

It has an area of _____ per roll and costs _____ per roll

I need _____ rolls. The total cost will be _____.

Conclusion

The total cost of the materials will be _____.