

## **Peer Review: Maths Layout**

Imagine you did the calculations to build a bridge. How strong does it need to be? How thick should the beams be? How much bracing is required?

You want to make sure your calculations are correct, so you get another engineer to check them. This is called peer review.

Engineers need their work to be checked by others. This means their maths must be clearly labelled and easy to understand. You can achieve this by using good layout, labels, titles and units, by clearly showing your working, and ALWAYS KEEPING YOUR ANSWERS.

Watch the Maths Layout Video: <a href="https://youtu.be/mylZcIF9ylw">https://youtu.be/mylZcIF9ylw</a>

## Sleepy Time – Bed Calculations

You are designing a bed. You need to calculate the dimensions for the bed so that there is extra space around the bed. The bed should be 300mm longer and 600mm wider than your tallest team member.

Below is a template of how a good maths solution should be laid out.

Bed Size			Start with a title. Let's use "Bed Size".
Subtitle			Something like "Lisa's Measurements".
Length	=		Measure your teammate lying down
Label	=	unit	and their width (don't forget the units).
Subtitle			Write "Bed Size Calculations".
Length of Beo	(	L'ength of Person Thextra space	A formula is the maths using words
	=	Maths + 300mm	
	=	Solution unit	
Label	=	Words for Maths (Formula)	Repeat this for the width of the bed.
	=	Maths	
,	=	Solution unit	Check that your answer makes sense

Sleepy Time – Peer Review				
Swap your workboo their maths.	ok with other students and ar	swer the following questions to see if you can peer review		
Was this width in m	•			
Are there headings Are all the "equals"	signs in a nice tidy row?	maths:  what is being calculated?		
	Paint t	he Classroom		
Calculate how mucl You will need to wo	h paint you will need to paint	<ul><li>1't give you as much help this time.</li><li>the floor of your classroom.</li><li>oom. Remember area = width x length.</li></ul>		
Title				
Subtitle		Write "Classroom Measurements".		
Label	= unit = unit	use metres when calculating area.		
Subtitle		Write "Paint Calculations".		
Area =	<ul><li>Wards for Maths (Formula)</li><li>Maths</li><li>Solution unit</li></ul>	a)		
Paint Volume	Words for Maths Farm C	overage Each litre of paint will cover 10m².		

Check that your answer makes sense.

= Solution unit



A Tower of Chairs
We are going to do one last exercise, but this time you won't have a template. You can look back at the previous page to see how you should lay this out.
Measure the height of one chair.  Stack two chairs on top of each other and measure the height.  How much taller is two chairs than one chair?
If you were to stack ALL the chairs in the classroom into one tower, how tall would this be?
(Ignore the fact that tower would just fall over)
Check that your answer makes sense.
T (0) 2 2 1
Tower of Cheers – Peer Review
Swap your workbook with other students and answer the following questions to see if you can peer review their maths.
Can you understand the maths and how they solved it?

What height did they say the tower would be?

Is their maths correct?