Unit 1 Safety and Security							
LO	**AC**	**Poor knowledge**		**Good knowledge**		**Great knowledge**	
LO1 Know health and safety legal requirements for working in the construction industry	AC1.1 Responsibilities and safety legalisation	AC1.1	☐	AC1.1	☐	AC1.1	☐
	AC1.2 Signs	AC1.2	☐	AC1.2	☐	AC1.2	☐
	AC1.3 Fire extinguishers	AC1.3	☐	AC1.3	☐	AC1.3	☐
	AC1.4 Role of HSE	AC1.4	☐	AC1.4	☐	AC1.4	☐
LO2 Understand risks to health and safety in different situations	AC2.1 Hazards	AC2.1	☐	AC2.1	☐	AC2.1	☐
	AC2.2 Effects	AC2.2	☐	AC2.2	☐	AC2.2	☐
	AC2.3 Risks	AC2.3	☐	AC2.3	☐	AC2.3	☐
LO3 Understand how to minimise risks to health and safety	AC3.1 Control measures	AC3.1	☐	AC3.1	☐	AC3.1	☐
	AC3.2 Situations	AC3.2	☐	AC3.2	☐	AC3.2	☐
LO4 Know how risks to security are minimised in construction	AC4.1 Security	AC4.1	☐	AC4.1	☐	AC4.1	☐
	AC4.2 Measures	AC4.2	☐	AC4.2	☐	AC4.2	☐
Unit 2 Developing Construction Projects							
LO	**AC**	**Poor knowledge**		**Good knowledge**		**Great knowledge**	
LO1 Be able to interpret technical information	AC1.1 Interpret sources	AC1.1	☐	AC1.1	☐	AC1.1	☐
	AC1.2 Sources	AC1.2	☐	AC1.2	☐	AC1.2	☐
LO2 Know preparation requirements for construction tasks	AC2.1 Resources	AC2.1	☐	AC2.1	☐	AC2.1	☐
	AC2.2 Calculate	AC2.2	☐	AC2.2	☐	AC2.2	☐
	AC2.3 Success criteria	AC2.3	☐	AC2.3	☐	AC2.3	☐
	AC2.4 Prepare	AC2.4	☐	AC2.4	☐	AC2.4	☐
LO3 Be able to use construction processes in completion of construction tasks	AC3.1 Techniques	AC3.1	☐	AC3.1	☐	AC3.1	☐
	AC3.2 Health and safety	AC3.2	☐	AC3.2	☐	AC3.2	☐
	AC3.3 Evaluate	AC3.3	☐	AC3.3	☐	AC3.3	☐
Unit 3 Planning Construction Projects							
LO	**AC**	**Poor knowledge**		**Good knowledge**		**Great knowledge**	
LO1 Know job roles involved in realising construction and built environment projects	AC1.1 Involve	AC1.1	☐	AC1.1	☐	AC1.1	☐
	AC1.2 Involve	AC1.2	☐	AC1.2	☐	AC1.2	☐
	AC1.3 Involve	AC1.3	☐	AC1.3	☐	AC1.3	☐
LO2 Understand how built environment development projects are realised	AC2.1 Processes	AC2.1	☐	AC2.1	☐	AC2.1	☐
	AC2.2 Factors	AC2.2	☐	AC2.2	☐	AC2.2	☐
	AC2.3 Sources	AC2.3	☐	AC2.3	☐	AC2.3	☐
	AC2.4 Resources	AC2.4	☐	AC2.4	☐	AC2.4	☐
LO3 Be able to plan built environment development projects	AC3.1 Processes	AC3.1	☐	AC3.1	☐	AC3.1	☐
	AC3.2 Processes	AC3.2	☐	AC3.2	☐	AC3.2	☐
	AC3.3 Tolerances	AC3.3	☐	AC3.3	☐	AC3.3	☐

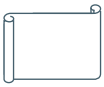
Fire Risk Assessment

Project Name:		Completed by:		Date:		Revision:	A	Page: 1 of 1	
Location:		People affected/at risk of being harmed:							

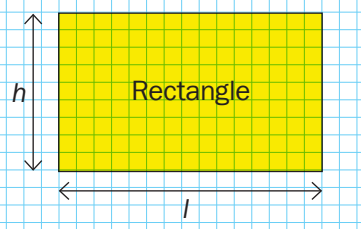
No.	Hazards	Possible affects/harm	Pre-control risk rating			Required controls	Post-control risk rating		
			High	Medium	Low		High	Medium	Low
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									

Risk to security	£	Production	Property	Data
Contracts				
Letters and emails				
Specifications and drawings				
Access to data storage websites and common data environments (BIM)				
Stakeholders' information (clients, designers, sub-contractors, operatives, suppliers and customers)				
Intellectual property such as concepts, designs and literature				

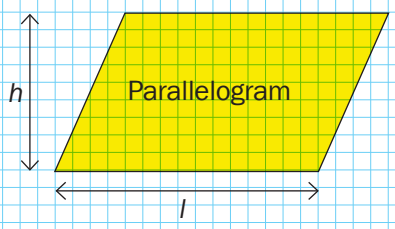
Title of check sheet: Project: Date:	Read this sheet with:	1 Method statements 2 Risk assessments 3 COSHH sheets 4 Other documents

Section 1. Personnel protective equipment (PPE)								
Hard hat	Safety boots	Gloves	Safety eyewear	Over-garments	Ear protection	Dust mask	High-visibility clothing	Any other PPE requirements
Section 2. Access equipment (complete with leading-edge protections and toe boards) and temporary protection								
Scaffolding	Podiums	Access towers	Step ladders	Ladders (permit required)	Dust sheets	Vacuum cleaner	Foam corner protection	Any other types of protection required
Section 3. Security, existing services and utilities								
Keys or codes required	Working hours 	Access hours	Welfare and task lighting	Emergency contact details	Existing services locations	Location of water	Location of 110V power	Any other measures needed
Section 4. Tools requirements								
4a. Setting out								
Pencils and markers	Tape measure/ rulers	Plumb bob	Spirit level	Chalk line	Scribe	String line	Notebook	Other
4b. Hand tools								
Screwdrivers and hex keys	Handsaws and blades	Claw hammers and mallets	Spanners, sockets and wrenches	Knives and pliers	Wood and bolster chisels	Staple guns, nail guns and riveters	Files, planes and rasps	Clamps
Bolts cutters and snips	Torches and flashlights	Trowels	Floats	Hawks	Tile cutter ceramic	Brushes, pots and cleaners	Other hand tools	
Section 5. Documentation								
Programme	Sequence of work 	Specifications 	Approved drawings 	Building regulations applicable? 	Design brief required? 	Inspection required by third parties?	Other? (Is a datum or setting out point agreed or oral communications?) 	
Section 6. Materials, adhesives, sealants and fixings								
Textiles	Wood	Brick	Mortar	Plaster	Decoration		Tiling	
Electrical	Plumbing	Heritage skills		Other types of materials or fixings required				
Notes on quantities:								
Section 7. Storage								
Lay date	Covered	Secure	Segregated	Watertight and frost protection (thermometer required?)		Combustible?	Staked or single?	

Area formulas



Area = $l \times h$



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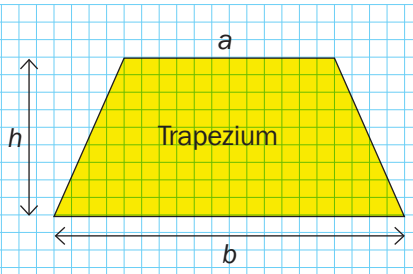
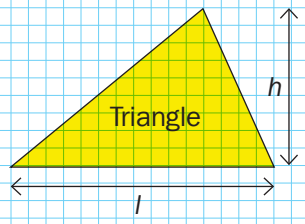
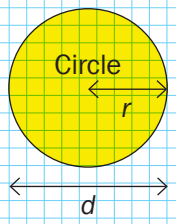


Area = ½ of $h \times (a + b)$



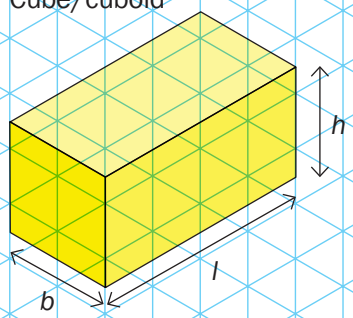
Area = ½ of $l \times h$



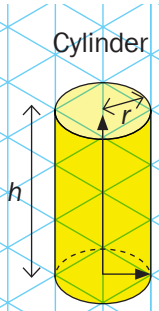
Area = πr^2

Key
$\pi = 3.14$

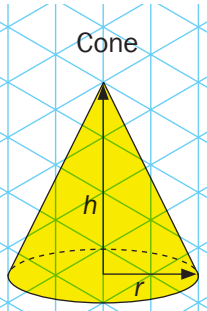
Volume formulas



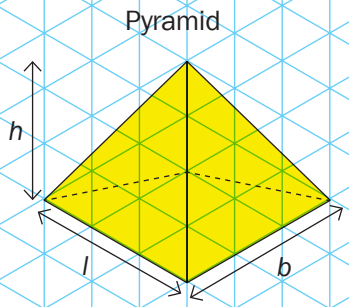
Volume = $l \times b \times h$



Volume = $\pi r^2 \times h$



Volume = $\frac{1}{3}\pi r^2 \times h$

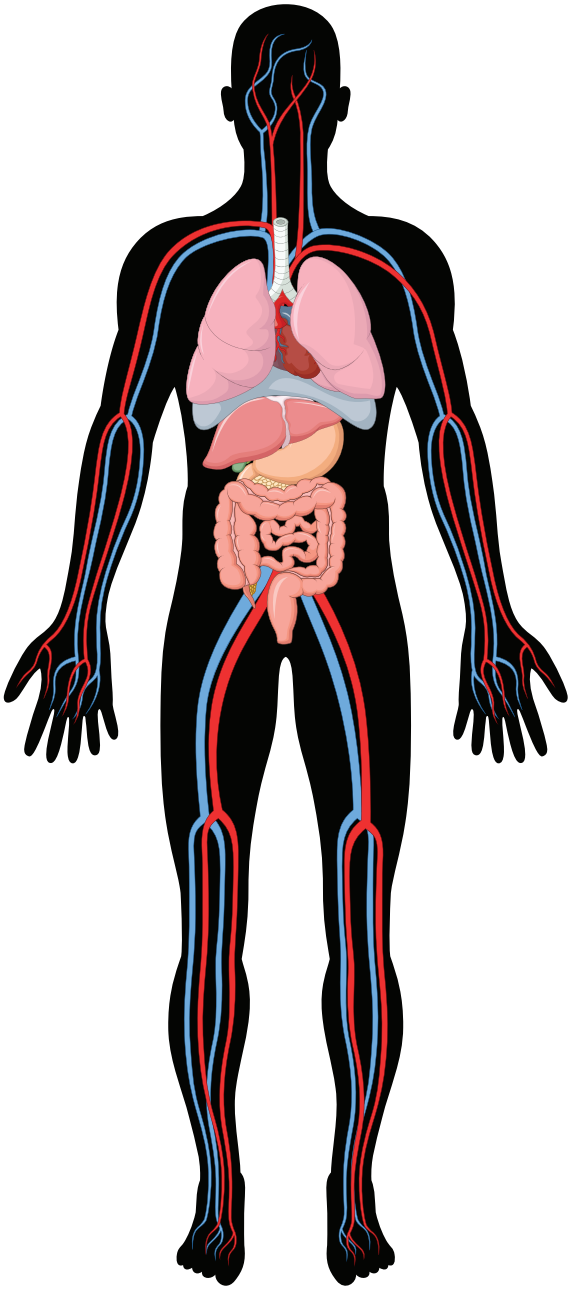


Volume = $\frac{1}{3}\ l \times b \times h$

Key
$\pi = 3.14$

APPLICATION Using the list below, identify what part of the body is affected by the related industrial disease/disorder contracted while working in the construction industry.

1 Asthma
2 Chronic bronchitis or emphysema – also known as chronic obstructive pulmonary disease (COPD)
3 Deafness
4 Dermatitis
5 Pneumoconiosis (including silicosis and asbestosis)
6 Osteoarthritis of the knee in coal miners
7 Prescribed disease A11 (previously known as vibration white finger)
8 Mesothelioma and other asbestos-related illnesses
9 Musculoskeletal disorders
10 Pierced cornea



Site-specific Quality Check Sheet **Location** **Date** / /

	Location on plan (also refer to layout overleaf if not indicated here):		
1	RAMS in place?		Consider if they are an issue to this or other work ongoing. Check for danger while you work.
2	Position/orientation on grid		Consider the relationship to your work in relation to setting out.
3	Line		Consider how the line of this element impacts of other proposed lines. Consider impact on cutting or modular dimensions of other materials.
4	Level		Consider how the level of this element impacts on proposed adjacent levels. Consider impact on other adjacent work.
5	Certification and testing		Consider if your work needs to be photographed or signed-off.
6	Execution and approach		Is the method agreed? Right skill set deployed? Sensitive area?
7	Construction detail compliance		Has the detail been followed or proposed alternative solutions agreed with team?
8	Cleanliness and protection		Can it be cleaned up now? Is cleanliness acceptable? Can it be better? Covered skips? Perimeter clean? Is protection required?
9	Public protection, work slips, trips and falls		Can the scope be reduced to make ramps less of an issue? Is the material to make-good ordered? Is there a requirement for other material on site, cleaning-up ready for emergencies?
10	Timeliness		Enough materials, resources and stakeholder buy-in present?
11	Next phases		Consider implications on next phases? Is there a better sequence available? Do you need to report anomalies (irregularities or inconsistencies) up-line?

List the best aspects of your work against the success criteria:

1

2

3

4

5

List three aspects of your work that could be improved:

1

2

3

Your conclusion:

Compliance check sheet for tasks

- **Health and safety**: Are you and those adjacent to you **working safely** (your number one priority)?
- **Technical information**: **Accurately interpret** data and information from **more than one** source or type.
- Plan the **sequence** of work using logical timescales.
- Accurately **identify** and **specify** the resources required for the task.
- Accurately **calculate** and **record** all the materials required for the task (use standard conventions).
- **Brief**: Ensure that the success criteria are recorded on the previous page and the **best aspects** of your work correspond.
- Effectively complete your **preparatory tasks in a logical** sequence.
- Complete **your** task **independently**.
- Effectively use a **range** of **techniques** to complete your task.
- **Tolerances** of the work are compliant (**are you satisfied** with the **quality** of the completed task?).
- Final check that the quality of the work is compliant with:
  1. Success criteria (tolerances, timescales, selection, quality, what good looks like)
  2. Specification
  3. YOUR OWN JUDGEMENT.

Additional notes (if required)

Sketch (if required)