

NAME:

MINISTRY OF EDUCATION, HERITAGE & ARTS

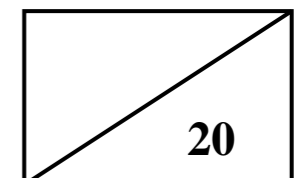
WORKSHEET 6 YEAR 10 2021

BASIC TECHNOLOGY & BASIC GRAPHIC TECHNOLOGY

**STRAND 3: DESIGN AND ENTERPRISING**

INSTRUCTIONS:

1. Use your exercise book to do the question given below.
2. Use the measurements given. All measurements are in millimeters
3. Show all your construction lines clearly.



NAME:

[20 marks]

**LONG ANSWER QUESTIONS**

[20 marks]

**QUESTION 1 DESIGN**

**Problem**

In many homes, shoes are paced and scatted everywhere especially at the door entrance.

**Brief**

Design a **shoe rack** to accommodate shoes in our various homes.

**Specifications**

The following factors are to be taken into consideration when designing the **shoe rack**.

- It must be strong.
- It must be secure and easy to construct.
- It should have two shelves to store at least 10 pairs of shoes.
- The materials to be used should be readily available and made from a combination of metal and timber.

**Requirements**

- (i) In the space provided below, sketch a pictorial pencil or colour rendered final solution of the **knife rack**. **(8 marks)**

CQ1(i)			
1	Correct proportion	2	
2	Correct materials	2	
3	Rendering shown	3	
4	Labels shown	1	

- (ii) Draw a detailed sketch to show how shoes are stacked safely on the **shoe rack** without falling off. **(8 marks)**

CQ1(ii)			
1	Correct proportion	3	
2	Evidence of being kept safely without falling shown	3	
3	Labels shown	2	

- (iii) Explain the final solution according to the following heading: **(4 marks)**

HEADING	FINAL SOLUTION
Materials	