

445/2 SG
METALWORK
Paper 2
(PROJECT)
January to July 2026
SCORING GUIDE



THE KENYA NATIONAL EXAMINATIONS COUNCIL
Kenya Certificate of Secondary Education
METALWORK
Paper 2
(PROJECT)

SCORING GUIDE
(CONFIDENTIAL)

PROJECT: COINS' JAR

CANDIDATE'S NAME: _____

INDEX NUMBER: _____

NAME OF CENTRE: _____

INSTRUCTIONS FOR EXAMINER'S USE ONLY

1. GENERAL TOLERANCES:
± 0.2 mm unless otherwise stated.
2. MARKING GUIDE
 - (a) Within tolerance - award full mark
 - (b) Up to 1.5 x tolerance - award half mark
 - (c) Outside 1.5 x tolerance - award no mark
3. All dimensions are in millimetres unless otherwise stated.

CANDIDATE'S SCORE

100

PROJECT MARKED OUT OF

This scoring guide consists of 3 printed pages.

PART NO.	DIMENSIONS	MAXIMUM SCORE	CANDIDATE'S SCORE
PART 1: LID	28, 12, 3, 5, 8, ϕ 20, ϕ 14, ϕ 32, ϕ 28, ϕ 24 Depth - 8	11	
	Sub-total	11	
PART 2: UPPER BODY	60, ϕ 60, ϕ 32 Quality of fold Quality of butt weld	3 2 2	
	Sub-total	7	
PART 3: LOWER BODY	60, ϕ 60, ϕ 24 Quality of fold Quality of butt weld	3 2 2	
	Sub-total	7	
PART 4: COLLAR	ϕ 24 Hole centrally positioned	2 1	
	Sub-total	3	
PART 5: SCREW	16 Quality of M12 thread	1 2	
	Sub-total	3	
PART 6: PILLAR	28 18 (2 X 1) Depth 14 Hole centrally positioned Quality of M12 thread Squareness ($4 \times \frac{1}{2}$)	1 2 1 1 2 2	
	Sub-total	9	
PART 7: TABLE	60 (2 x 1) Position of ϕ 4 hole (4 x) Quality of R4 (4 x 1) Squareness ($8 \times \frac{1}{2}$)	2 4 4 4	
	Sub-total	14	
PART 8: STAND (4 off)	15 (4 x 1) 3 (4 x 1) ϕ 12 (4 x 1) ϕ 8 (4 x 1)	4 4 4 4	
	Sub-total	16	

PART NO.	DIMENSIONS	MAXIMUM SCORE	CANDIDATE'S SCORE
ASSEMBLY	Fitting part 1 to 2	2	
	Quality of gas welding part 2 to 3	3	
	Quality of brazing part 4 to 5	2	
	Quality of brazing part 3 to 4	3	
	Fitting part 5 to 6	2	
	Quality of arc welding part 6 to 7	4	
	Quality of upsetting part 8 to 7	4	
	Quality of finish on machined parts	2	
	Deburring	2	
	Stability	2	
	Alignment	2	
	Aesthetics/ appearance	1	
	Index No.	1	
	Sub-total	30	
	GRAND TOTAL	100	