

## External Assessment

### NCFE Level 2 Certificate in Engineering Studies (601/4532/8)

Unit 02 Introduction to engineering drawing (L/506/3766)

### Past Paper

**Assessment date:** 20 January 2020

**Time:** 1.00pm

### Task 1

Complete your details below:

Centre name		Centre number	
Learner name		Learner number	

**Time allowed – 45 minutes**

#### Instructions for learners

- Read Task 1 carefully and make sure that you understand what you need to do to answer each question.
- You **MUST** attempt **all** of the questions in Task 1 to address all assessment criteria. You cannot achieve a Pass grade unless you meet the required standard in all of the questions.
- If you are aiming for a Merit or Distinction it is particularly important that you are familiar with what these grades require as you work through the tasks.
- Write your responses to the questions in the spaces provided. If you need more space you may use extra paper.
- If you are using a word processor, you **must** make sure that all of your work is printed out.
- Make sure that any printouts or extra paper is securely attached to this assessment paper and labelled clearly with:
  - your name and learner number
  - centre name and centre number
  - task and question number.
- At the end of the assessment hand all documents over to your Invigilator.

*Examiner use only*

AC	Grade
1.1	
1.2	

You are **not** allowed to use the internet during this external assessment.

**DO NOT TURN OVER UNTIL YOU ARE INSTRUCTED TO DO SO BY THE INVIGILATOR.**

Past Paper

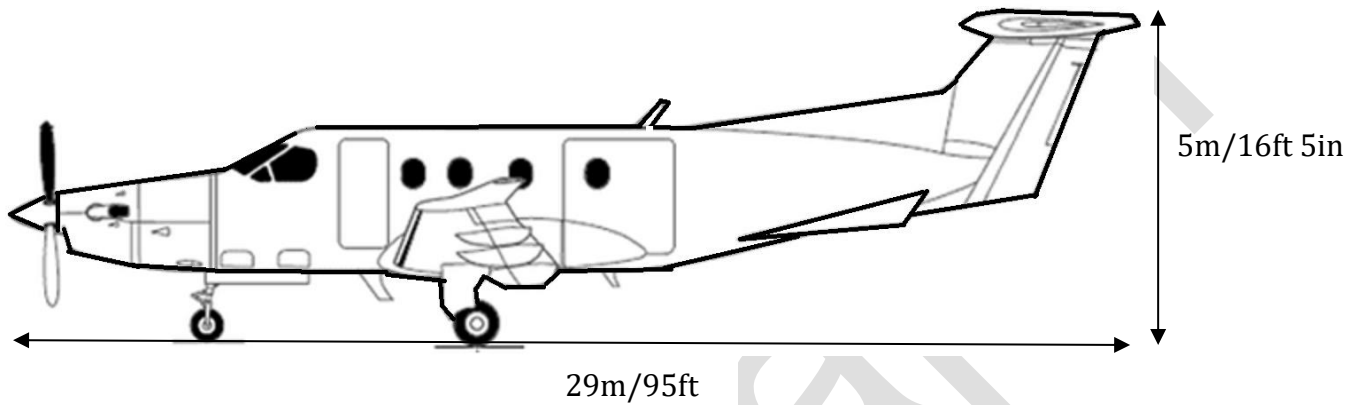
**This page is intentionally left blank**

**Task 1**

You **must** ensure your work in Task 1 addresses assessment criteria 1.1 and 1.2. You can refer to the relevant assessment criteria throughout the Task.

Use Fig. 1 to answer question 1.

**Fig.1**



**Question 1**

a) Which **two** common **systems of measurement** are shown in Fig. 1?

**System 1:**

.....

**System 2:**

.....

b) State **two units of measurement** for each of the two systems.

**System 1**

1: .....

2: .....

**System 2**

1: .....

2: .....

c) Explain why each of these systems may be used in engineering drawings.

**System 1:**

.....

.....

.....

.....

.....

.....

.....

.....

**System 2:**

.....

.....

.....

.....

.....

.....

.....

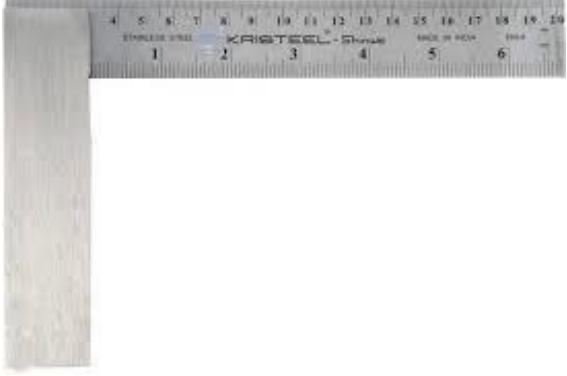
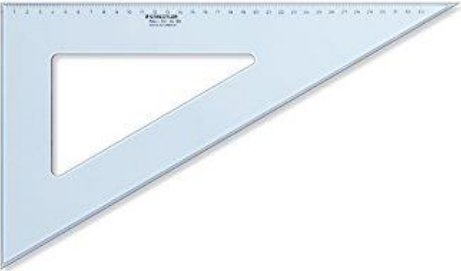

.....

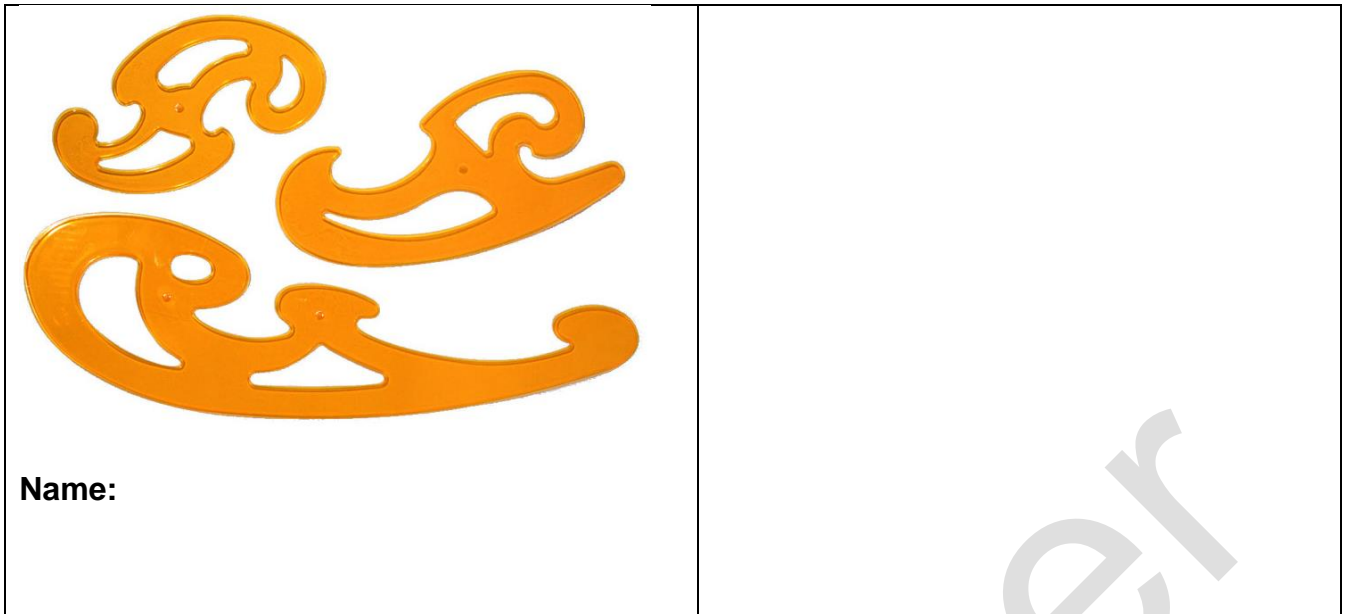
<b>Assessment criterion</b>	<b>Pass</b>	<b>Merit</b>	<b>Distinction</b>
<b>1.1 Distinguish between the common systems of measurement in engineering drawing</b>	Learners will distinguish between the common systems of measurement in engineering drawing	Learners will clearly distinguish between the common systems of measurement in engineering drawing in detail	Learners will perceptively distinguish between the common systems of measurement in engineering drawing in detail

## Question 2

Look at the engineering measuring devices below.

Complete the table by naming the device and describing in detail how it is used to plan, prepare or produce engineering drawings.

Device	Description of use in planning, preparing and producing engineering drawings
 <p data-bbox="165 864 264 898"><b>Name:</b></p>	
 <p data-bbox="165 1391 264 1424"><b>Name:</b></p>	
 <p data-bbox="165 1966 264 2000"><b>Name:</b></p>	



Assessment criterion	Pass	Merit	Distinction
<b>1.2 Describe how measuring devices are used in engineering drawing</b>	Learners will describe how measuring devices are used in engineering drawing	Learners will describe in detail how measuring devices are used in engineering drawing	Learners will perceptively describe how measuring devices are used in engineering drawing

## **What you need to hand in after your external assessment**

At the end of the timed external assessment you will hand in the following work to your Invigilator:

- this external assessment paper
- any extra paper you have used, securely attached.

Make sure that any extra paper is clearly identified with:

- your name and learner number
- your centre name and centre number
- The task and question number.

Any remaining time can be spent checking your responses to Task 1.

**This is the end of the assessment.**

Past Paper

**This page is intentionally left blank.**