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## GCSE MARKING SCHEME

## SUMMER 2016

## GCSE MATHEMATICS LINKED PAIR APPLICATIONS UNIT 1 FOUNDATION 4361-01

## INTRODUCTION

This marking scheme was used by WJEC for the 2016 examination. It was finalised after detailed discussion at examiners' conferences by all the examiners involved in the assessment. The conference was held shortly after the paper was taken so that reference could be made to the full range of candidates' responses, with photocopied scripts forming the basis of discussion. The aim of the conference was to ensure that the marking scheme was interpreted and applied in the same way by all examiners.

It is hoped that this information will be of assistance to centres but it is recognised at the same time that, without the benefit of participation in the examiners' conference, teachers may have different views on certain matters of detail or interpretation.

WJEC regrets that it cannot enter into any discussion or correspondence about this marking scheme.

## APPLICATIONS OF MATHEMATICS UNIT 1 (FOUNDATION TIER) SUMMER 2016

| Applications of Mathematics <br> Unit 1 Foundation Tier | Mark | Comments |
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| 10. (a) Use of $£ 5$ per 1000 cards $£ 0.5(0) \text { or } 50 \text { p (per } 100 \text { cards) }$ | M1 A1 | For example $1000 \div 5$ (= 200 cards for $£ 1$ ), or sight of 200 (cards) with $£ 1$, or $5 \div 1000$ ( $=£ 0.005$ per card) <br> If units are given they must be correct, allow £0.50p <br> SC1 for misread as GoPrint with answer $£ 1$ |
| (b) Use of $£ 10$ per 1000 cards for 1300 cards £13 (for 1800 cards) | $\begin{gathered} \text { M1 } \\ \text { A1 } \end{gathered}$ | Or sight of $1800 \div 100-5$, or equivalent If no marks, award SC1 for an answer of $£ 18$ |
| (c) GoPrint: Any 2 points correctly plotted (Dotted) straight line correctly drawn from $(500,0)$ to beyond 4000 cards | M1 A1 |  |
| MyPrint: Any 2 points correctly plotted (Dotted) straight line correctly drawn starting from $(1000,20)$ to beyond 4400 cards | $\begin{gathered} \text { M1 } \\ \text { A2 } \end{gathered}$ | A1 for correct (dotted) straight line but drawn for values less than $(1000,20)$ to beyond 4400 cards, OR for line correctly drawn starting from (1000, 20) to 4400 cards (not beyond) |
| (d) Intention to interpret the intersection of the two graphs OR correct interpretation from the table | M1 | FT their graphs provided at least one of the lines is straight |
| Correct reading for the number of cards or 4000 cards | A1 | Answer of the cost implies M1 only, however accept an answer including the cost e.g. ' 4000 cards is $£ 35^{\prime}$ |
|  | 11 |  |
| 10. (e)(i) $20+5(56500-1000) / 1000$ <br> (£)297.5(0) | $\begin{aligned} & \hline \text { M1 } \\ & \text { A1 } \end{aligned}$ |  |
| (ii) Reason, e.g. 'formula only for number of cards greater than 1000', ' n - 1000 is negative', 'don't know charges for less than 1000 cards', 'don't take orders for less than 1000 cards', 'because $800-1000$ is negative', or 'as $800-1000=-200$ ' | E1 | Ignore any additional incorrect statement included Do not accept 'they can use it, the cost would be £19' |

GCSE Applications of Mathematics
Unit 1 Foundation Tier MS Summer 2016

