

## LC 2016 (SET A): PAPER 1

### QUESTION 1 (25 MARKS)

#### Question 1 (a)

Total pay = €28

Deliveries:  $5 \times €2 = €10$

Payment for 2 hours work =  $€28 - €10 = €18$

$\therefore$  Payment per hour = €9

#### Question 1 (b)

She works for  $h$  hours at €9 per hour.

She makes  $d$  deliveries at €2 per delivery.

Wages  $w = 9h + 2d$

#### Question 1 (c)

She works for 6 hours ( $h = 6$ ) and makes 12 deliveries ( $d = 12$ ):

$w = 9h + 2d = 9(6) + 2(12) = 54 + 24 = €78$

Sunday: Hourly rate =  $9 \times 1.5 = €13.50$

She makes  $d$  deliveries on the Sunday.

Sunday wages =  $€13.50 \times 5 + 2d = €67.50 + 2d$

Total wages = €161.50

$\therefore 78 + 67.50 + 2d = 161.50$

$2d = 16$

$d = 8$

She makes 8 deliveries on Sunday.

#### **MARKING SCHEME NOTES**

##### **Question 1 (a) [Scale 10C (0, 2, 5, 10)]**

2: • Any use of 2, 5 or 28

5: • 18 calculated

##### **Question 1 (b) [Scale 5A (0, 5)]**

##### **Question 1 (c) [Scale 10C (0, 2, 5, 10)]**

2: •  $9(6)$  or  $12(2)$  or 78 formulated calculated or used

• 13.5 written

5: • 83.5 and/or 67.5