



H10-10min Spreadsheets and ICT (Higher): 10-minute Pack

EDEXCEL 1ST0 · Calculator allowed · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / ____

Answer ALL questions. Show all your working.

- 1** A gym keeps a record, in a spreadsheet, of how many times each of 6 members visited last month, and the total number of minutes they spent training.

	A	B	C
1	Name	Visits this month	Total minutes
2	Zara	8	240
3	Reuben	5	150
4	Freya	12	300
5	Isaac	6	210
6	Layla	9	270
7	Kofi	4	100

- (a) Write down the value in cell B5. (1)
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- (b) Write down the cell reference of the cell that contains the value 300. (1)
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- (c) A formula, =C2/B2, is typed into cell D2. State, in the context of this spreadsheet, what this formula calculates. (1)
- (d) Work out the value that would appear in cell D2. (1)
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(Total for Question 1 is 4 marks)

2 For each statement about spreadsheets, write down whether it is True or False.

(i) The formula =MEDIAN(B2:B11) returns the mean of the 10 values in the range B2 to B11. **(1)**

(ii) A cell reference written with dollar signs, such as \$B\$2, is called an absolute reference, and does not change when the formula is copied to another cell. **(1)**

(Total for Question 2 is 2 marks)

3 A warehouse stock-take spreadsheet has 500 rows of data, one for each product, in rows 2 to 501. Cell D2 contains the formula =B2-C2, which finds the discrepancy between the counted stock and the recorded stock for the first product. This formula is then copied down to cell D501 using the fill handle.

	A	B	C
1	Product code	Counted stock	Recorded stock
2	P001	48	50
3	P002	120	118
4	P003	76	72
...	...	...	...
250	P249	65	65
...	...	...	...
501	P500	30	33

(a) Give one advantage of being able to copy the formula in cell D2 down to all 500 rows using the fill handle in a single action, rather than typing 500 separate formulas by hand. **(1)**

(b) Given that the formula in cell D2 is =B2-C2, using only relative cell references, write down the formula that would appear in cell D250 after it has been copied down using the fill handle. **(2)**

(Total for Question 3 is 3 marks)

Mark scheme · H10-10min Spreadsheets and ICT (Higher): 10-minute Pack

Question 1

- (a) **B1** 6 cao
- (a) **Answer: 6**
- (b) **B1** C4 cao
- (b) **Answer: C4**
- (c) **B1** the average (mean) number of minutes Zara spent per visit
- (c) **Answer: The average (mean) number of minutes Zara spent per visit.**
- (d) **B1** 30 cao
- (d) **Answer: 30**

Question 2

- (i) **B1** False cao
- (i) **Answer: False**
- (ii) **B1** True cao
- (ii) **Answer: True**

Question 3

- (a) **B1** any valid advantage, e.g. it is much faster, or it avoids the risk of mistyping one of the 500 individual formulas
- (a) **Answer: It is much faster, and it avoids the risk of mistyping one of the 500 formulas individually.**
- (b) **B1** recognises that both relative references shift down by the same number of rows as the copy
- (b) **B1** =B250-C250 cao
- (b) **Answer: =B250-C250**