Summative assessment – Questions

## Introduction to spreadsheets

Q1. Which of these statements are true about spreadsheets? (Tick all that apply)

* When using formulas with cell references, changing one cell can change another
* Calculations can be used on any data type in a spreadsheet
* Data can be calculated using different operations within the spreadsheet
* Charts can be produced using the data held in spreadsheets

Q2. Below is an example section of a spreadsheet. How much does one kiwi cost?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **A** | **B** | **C** | **D** |
| **1** | **Fruit** | **Cost** | **Number sold** | **Subtotal** |
| **2** | Apples | £0.40 | 4 | £1.60 |
| **3** | Bananas | £0.50 | 9 | £4.50 |
| **4** | Kiwi | £0.80 | 3 | £2.40 |
| **5** | Grapefruit | £1.00 | 1 | £1.00 |
| **6** |  |  | **Total income:** | **£9.50** |

1. £3
2. £9.50
3. £0.80
4. £2.40

Q3. Using the same spreadsheet section as in question 2, which of the following is the correct cell reference for the subtotal of grapefruit?

1. D5
2. A5
3. £1.00
4. D1

Q4. Using the same spreadsheet section as in question 2, which formula is the correct formula to calculate the subtotal for bananas?

1. =B3xC3
2. =B3\*C3
3. =C3\*D3
4. =C3xD3

Q5. What does this operator mean in a spreadsheet / ?

1. Divide
2. Multiply
3. Add
4. Subtract

Q6. Which of these would make suitable column headings in a spreadsheet for a local supermarket? (Tick all that apply)

* Cost
* £4.62
* Apples
* Item

Q7. Which number format has been applied to this piece of data?

*12:05:00*

1. Date
2. Italics
3. Duration
4. Currency

Q8. What does this SUM function calculate?

=SUM(A1:A4)

1. The total cost of items
2. The total of A1, A2, A3, and A4
3. The total of A1 and A4
4. A data heading

Q9. The subtotal column in the spreadsheet section below has been calculated using a formula. Which cell could be changed to alter the value shown in D2?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **A** | **B** | **C** | **D** |
| **1** | **Journey** | **Petrol per mile** | **Miles** | **Subtotal** |
| **2** | To school | £1.00 | 8 | =B2\*C2 |
| **3** |  |  |  |  |

1. A2
2. B2
3. £8.00
4. D1

Q10. Some children want to show the head teacher how much cheaper the school heating bill would be if the doors were left closed at playtime. Should they show their data in a spreadsheet table or a graph?

1. Spreadsheet table
2. Graph

Explain why you think this is the best way for the children to present their data to the head teacher.

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