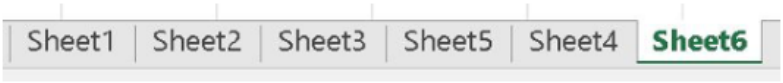
Quiz 2.1.2: 3D Formulas

Date: 09/11/25

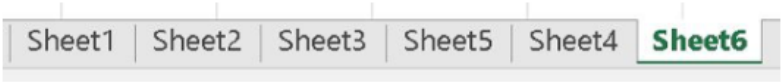
1. Take a close look at the screenshot below, carefully reading out the names one-by-one. 1 / 1 point



You have 6 sheets in your workbook. All of them have the value 200 in cell A1 (and all other cells are empty). Which of the following formulas will give you an answer of 800?

- ○ =SUM(Sheet1:Sheet1!A4)
- ○ =SUM(Sheet1:Sheet4!A1)
- ○ =SUM(Sheet1:Sheet1!A5)
- ◉ =SUM(Sheet1:Sheet5!A1)

Correct
Yes, that's right. This 3D Formula will add up the values in the four sheets: Sheet1, Sheet2, Sheet3 and Sheet5. Excel will ignore Sheet4 because it appears after Sheet5.



1 / 1 point

2. Take a close look at the screenshot above, carefully reading out the names one-by-one.

For the scenario above, the following formulas will yield the same answer as each other:

=SUM(Sheet2:Sheet5!A1)

=Sheet2!A1+Sheet3!A1+Sheet5!A1

- ◉ True
- ○ False

Correct
Yes, spot on. The first formula uses the SUM function to create a 3D formula. The second formula achieves the same result but without the use of a function.

3. Take a close look at the screenshot above, carefully reading out the names one-by-one.

Based on the scenario above, the following formula is entered **=SUM(Sheet1:Sheet4!A1)**. If we move **Sheet5** to just after **Sheet1**, the formula will give a different result.

- ○ True
- ◉ False

Correct
Spot on. As long as **Sheet5** stays within the envelope of Sheet1 and **Sheet4**, it will be included in the calculation.