



Work Area 12: Numeric skills

2.22 Make basic mathematical calculations

LO38 Demonstrate knowledge of, and the ability to apply, basic mathematical calculations in simple business situations (e.g. calculate discount or vat).



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Module Details



Work Area Code:	12
Work area title:	Numeric Skills
Unit Code:	2.22
Unit Title:	Make basic mathematical calculations
Learning Outcomes Ids:	LO038
Learning Outcomes titles:	Demonstrate knowledge of, and the ability to apply, basic mathematical calculations in simple business situations (e.g. calculate discount or vat).
Recommended Duration:	1 hour
Trainer:	



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The basic mathematical calculations

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- Addition
- Subtraction
- Multiplication



Division



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The basic mathematical calculations





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1. Addition



Addition:

- Addends: the numbers being added.
- Sum: the answer to the addition problem.



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2. Subtraction



• Subtraction:

- Minuend: the number you are subtracting from.
- Subtrahend: the number that is to be subtracted from the minuend.
- Difference : the answer to the subtraction problem.



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3. Multiplication



Multiplication:

- Factors/coefficients: the numbers being multiplied.
- Product: the answer to the multiplication problem.







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4. division

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- Division:
- Dividend: the number you need to divide.
- Divisor: the number you will use to divide.
- Quotient: the answer to the division problem.
- Remainder: a leftover when the dividend could not be divided evenly.





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Applications for pas



- VAT calculation
- Sum calculations
- Discount calculations
- Other occassions





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Calculating a discount



- get the original price (for example \$90)
- 2. get the the discount percentage (for example 20%)
- 3. calculate the savings: 20% of \$90 = \$18.
- 4. subtract the savings from the original price to get the sale price:
 \$90 \$18 = \$72.





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Calculating VAT



- 1. get the original price (for example \$90)
- 2. get the the VAT percentage (for example 20%)
- 3. calculate the VAT on \$90: 20% of \$90 = \$18.
- 4. Add the VAT to the original price to get the total price incl. VAT: \$90 + \$18 = \$108.





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Methodological tool

Calculate VAT and discount EUPANEXT_LO_033_M_01



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- Describe four basic mathematical calculations (additions, subtraction, multiplication and division)
- List situations where each of the calculations in used in everyday life as well as in business life.





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Key points



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- The basic mathematical calculations are:
 - Addition
 - Subtraction
 - Multiplication
 - Division
- They are useful in:
 - VAT calculation
 - Sum calculations
 - Discount calculations
 - Other occassions





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Well Done!

You have completed this unit



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