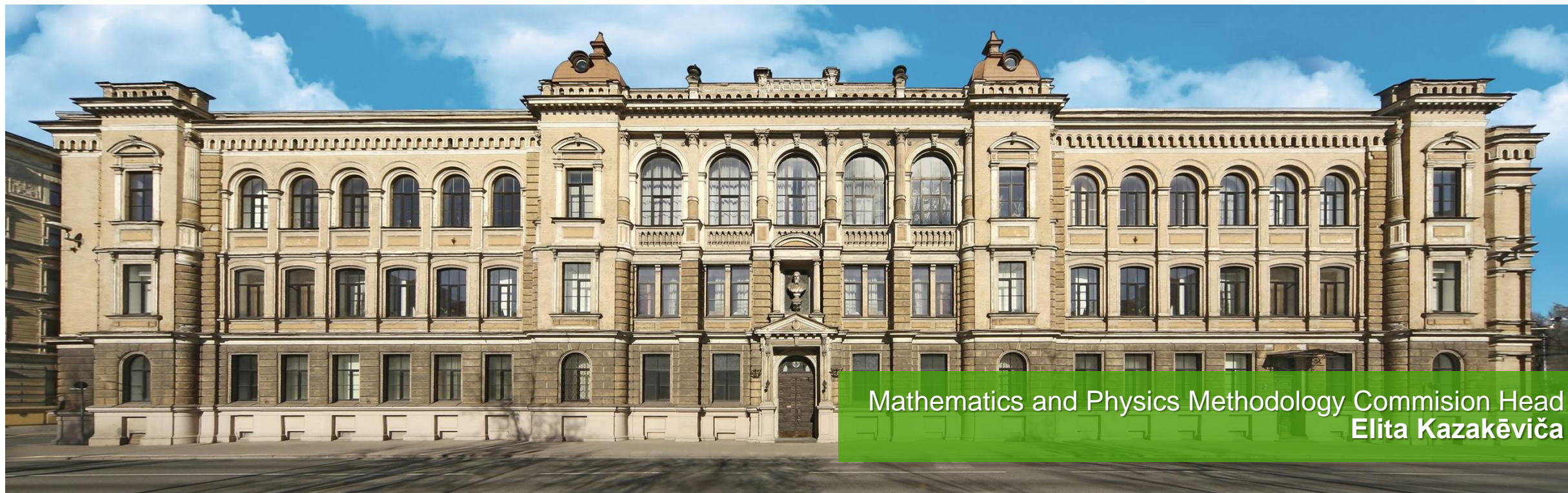




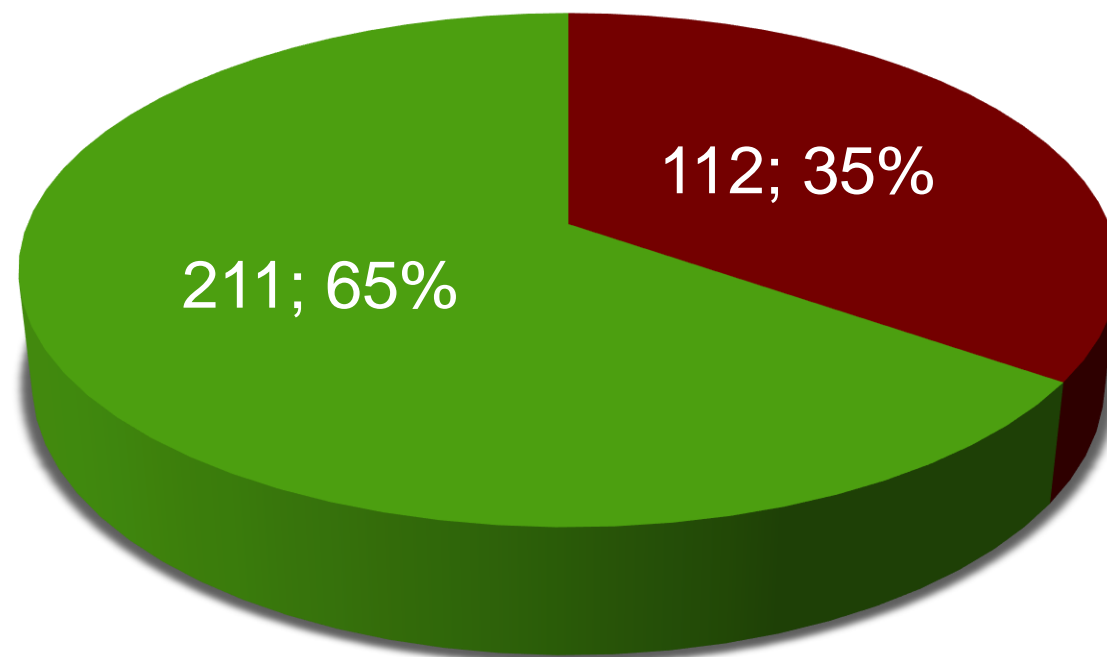
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Mathematics



Mathematics and Physics Methodology Commission Head
Elita Kazakėviča

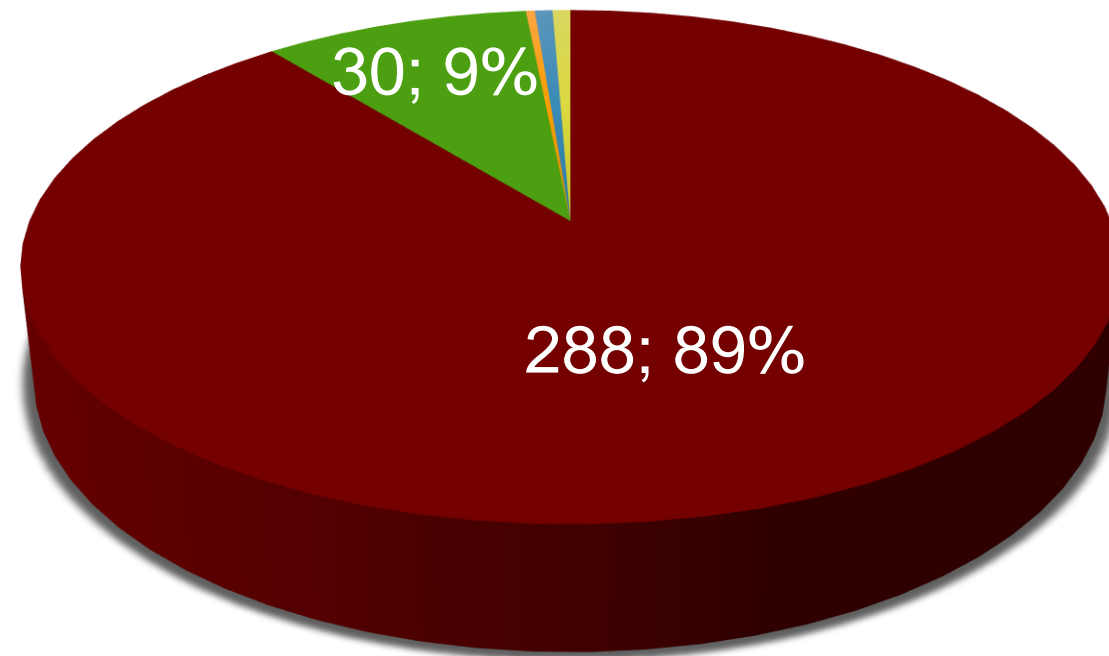
Gender



■ Female ■ Male



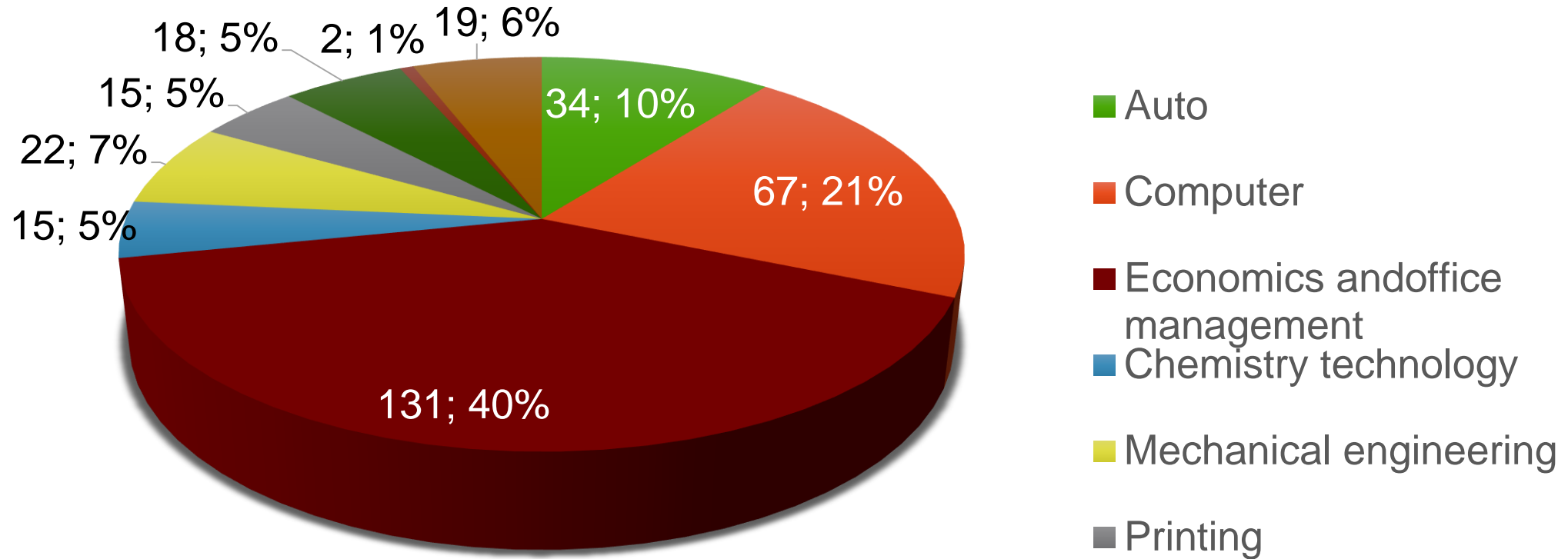
Age



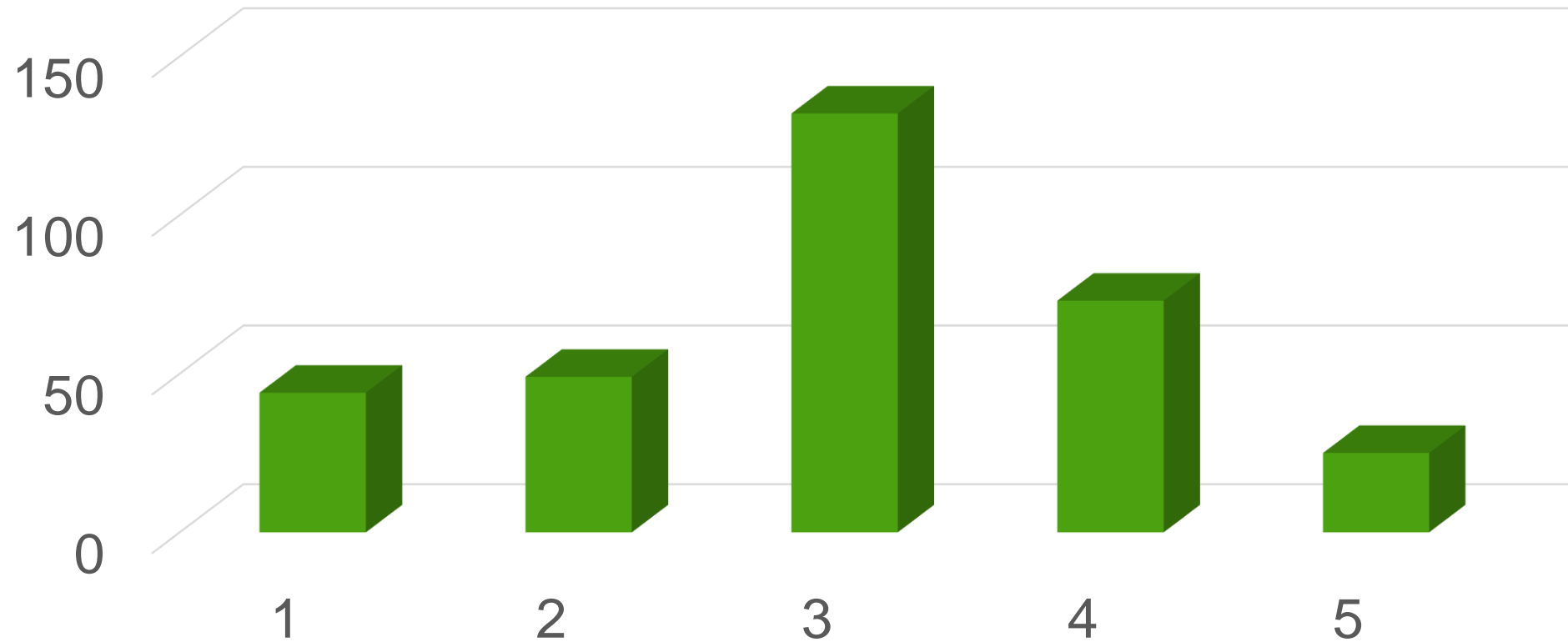
■ 15-16 ■ 17-18 ■ 19-20 ■ 21-25 ■ 26-30



Department

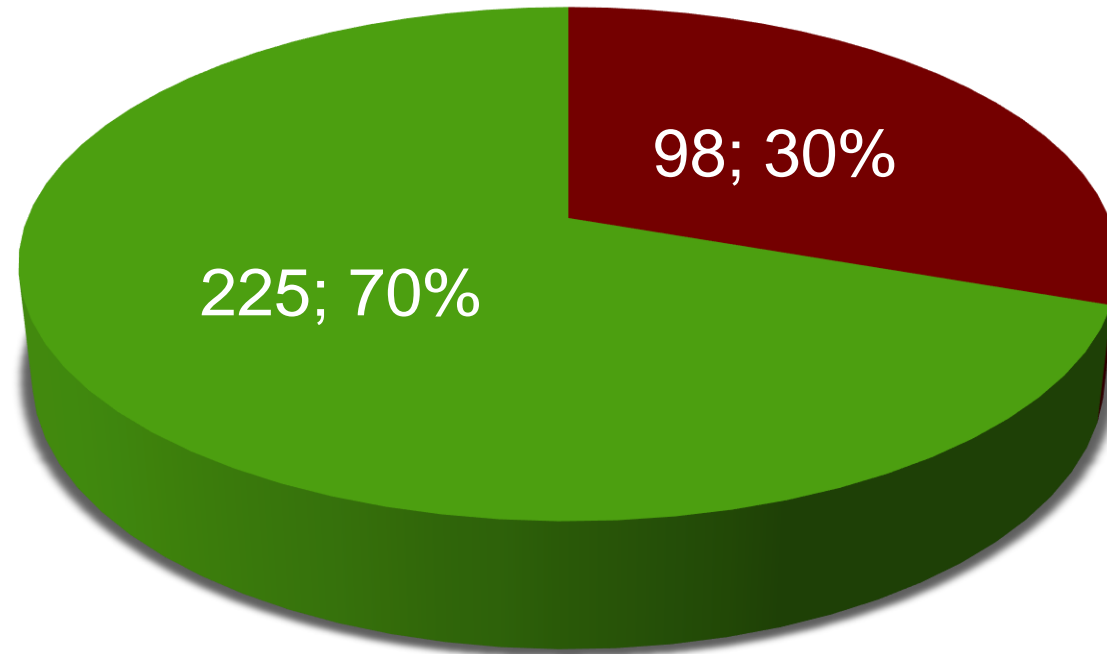


Do You like mathematics?



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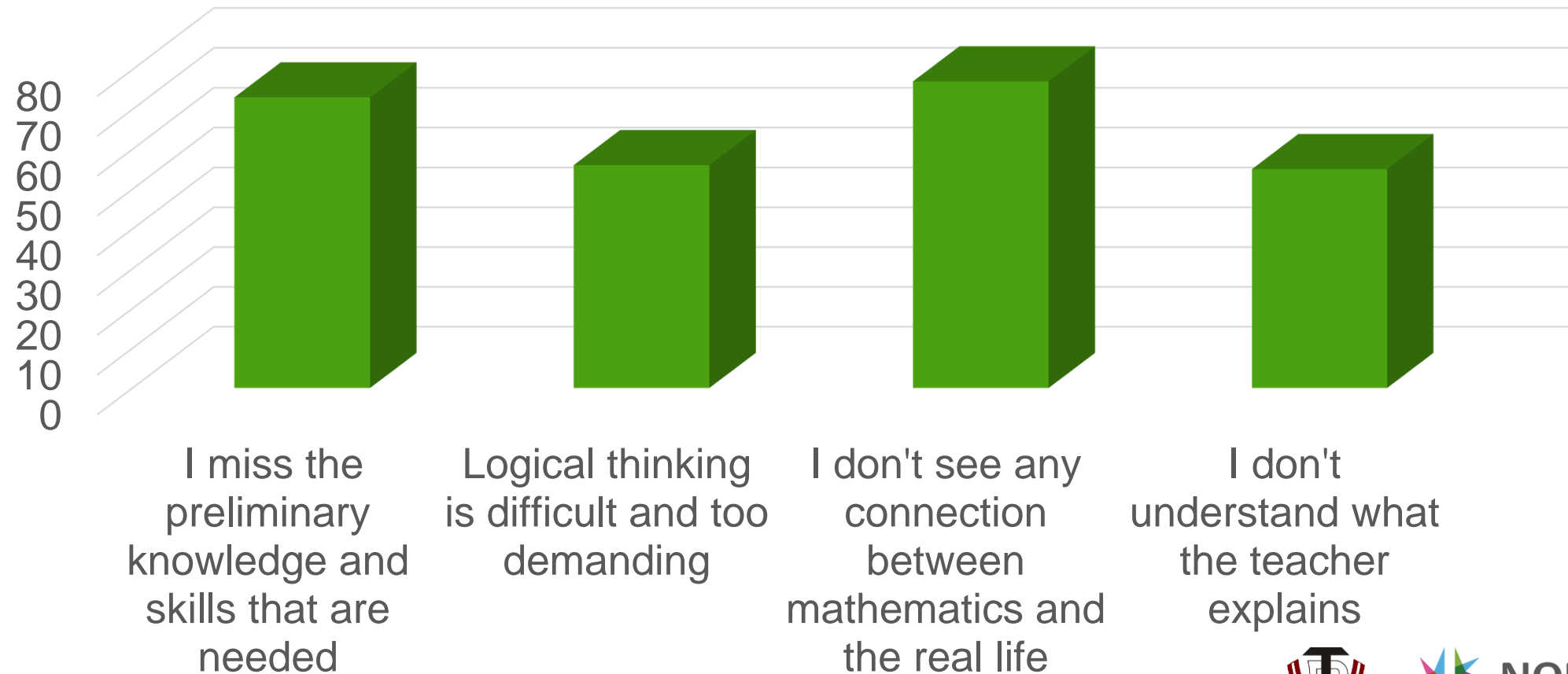
Do you think that mathematics is easy?



■ Yes, I do ■ No, I think it's quite difficult

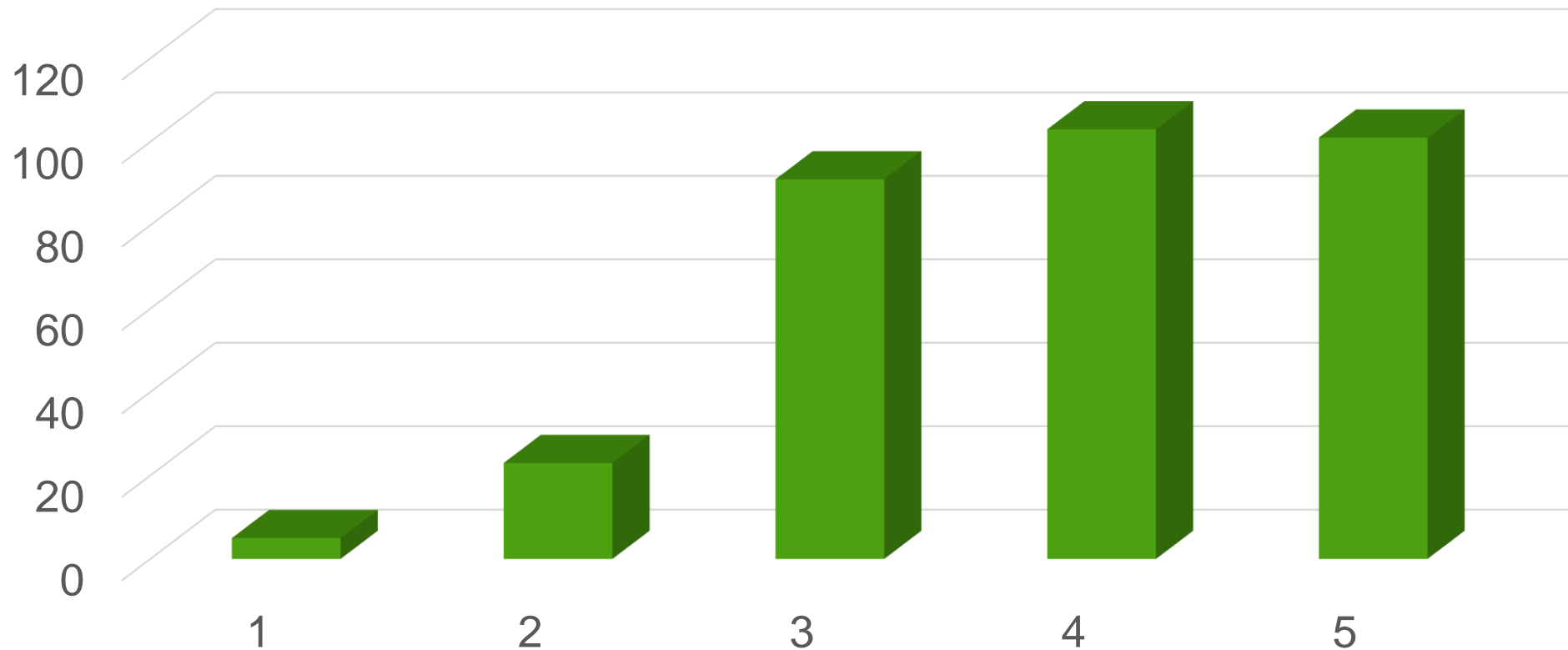


What are the problems in mathematics you have?



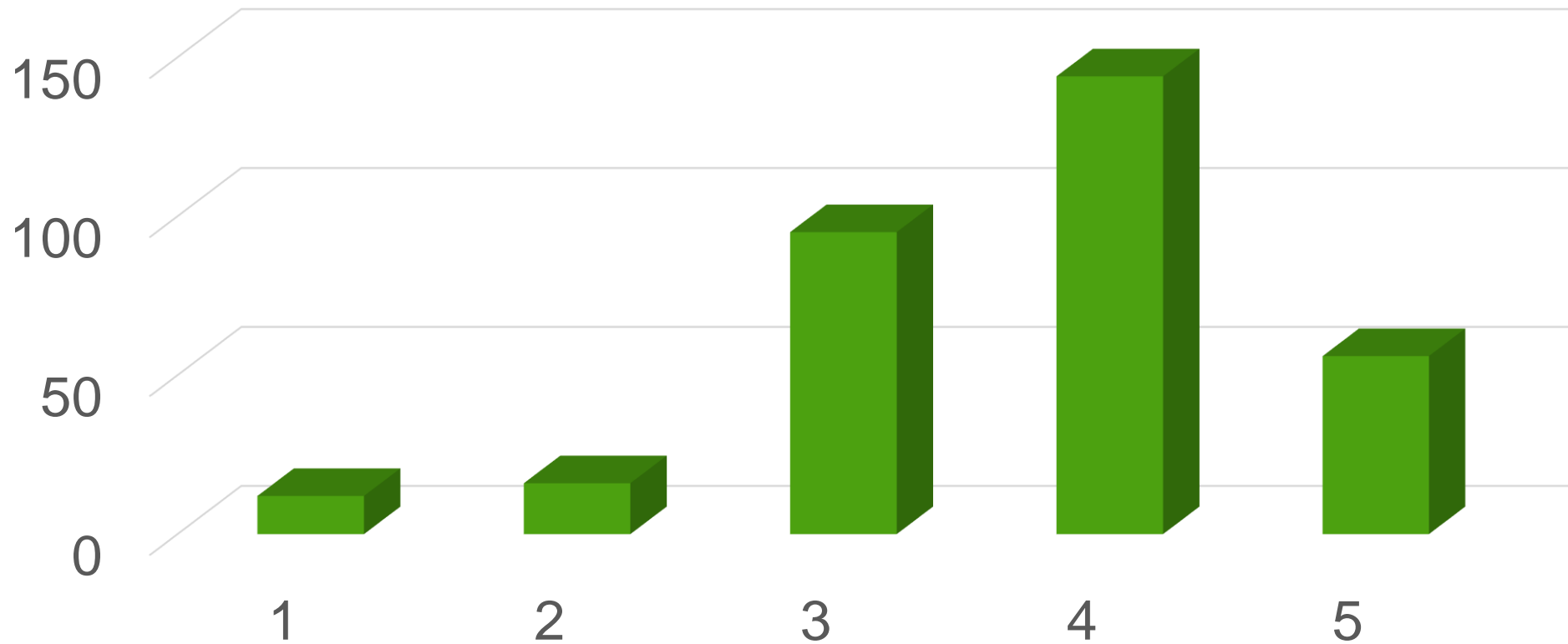
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How relevant you find mathematics in your field of studies?



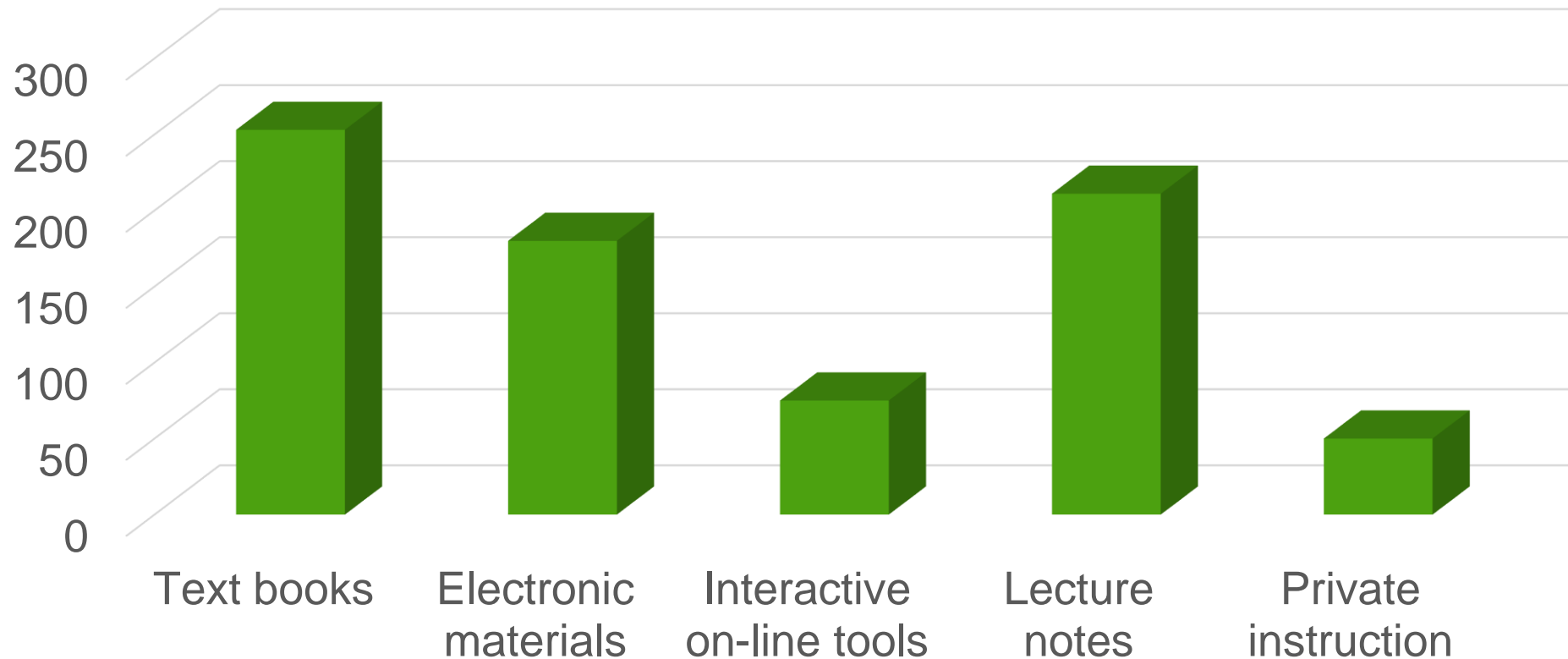
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How interested you are in your studies in general?



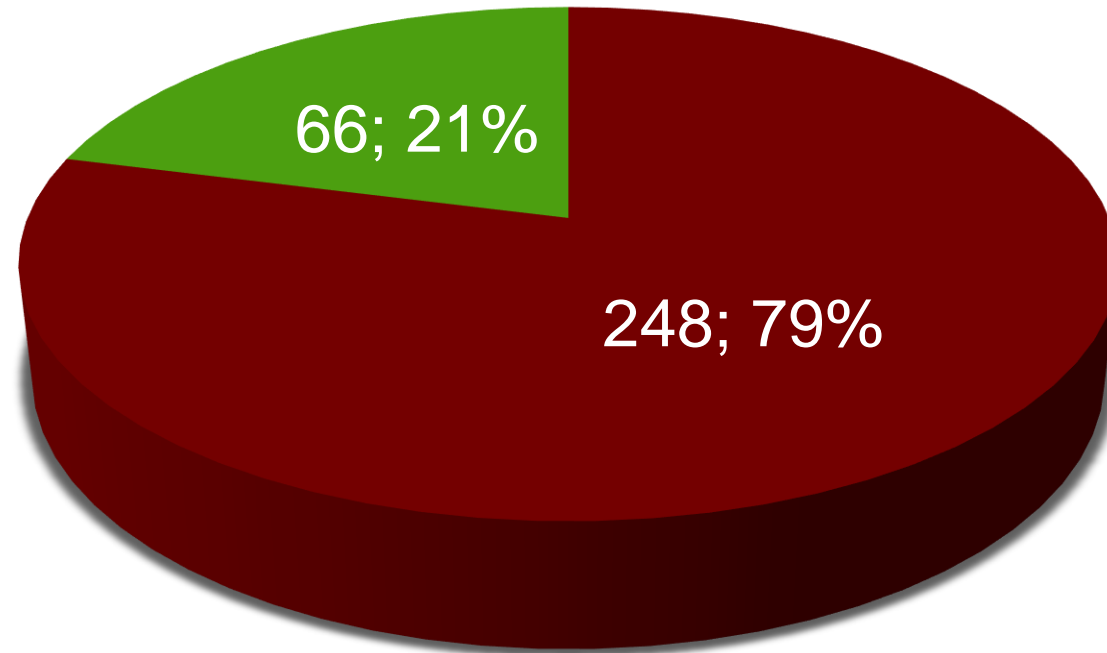
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What kind of materials have you used in learning mathematics?



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If you use e-learning materials, do you find them useful and interesting?



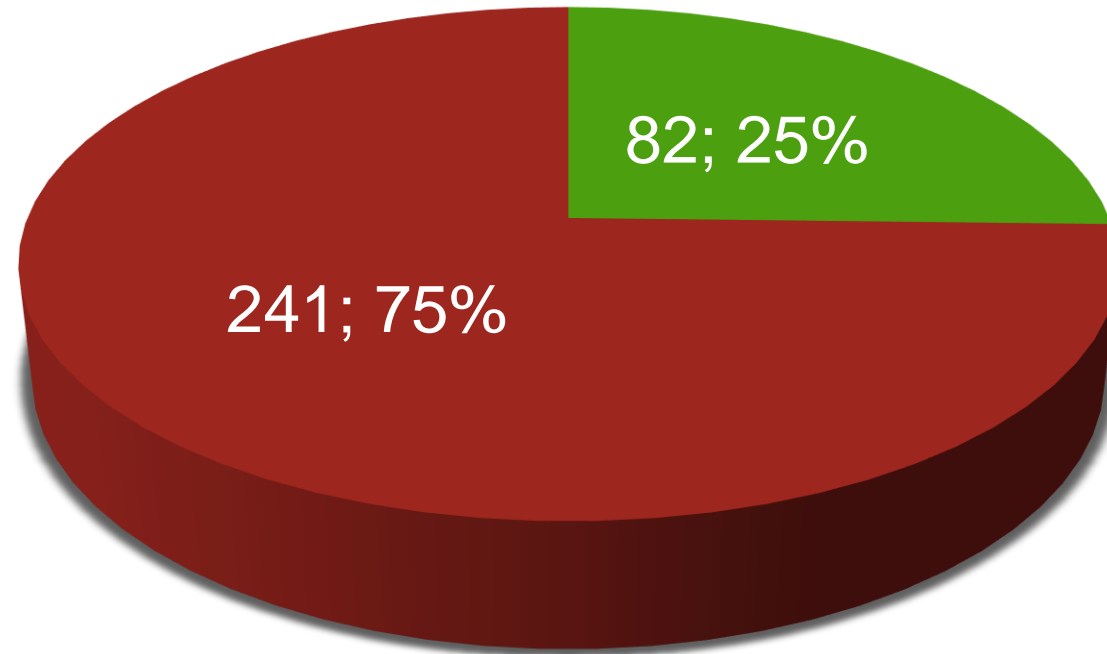
■ Yes ■ No



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Exercises 1: Convert to the requested unit

$3\text{m}^2 = \dots \text{cm}^2$

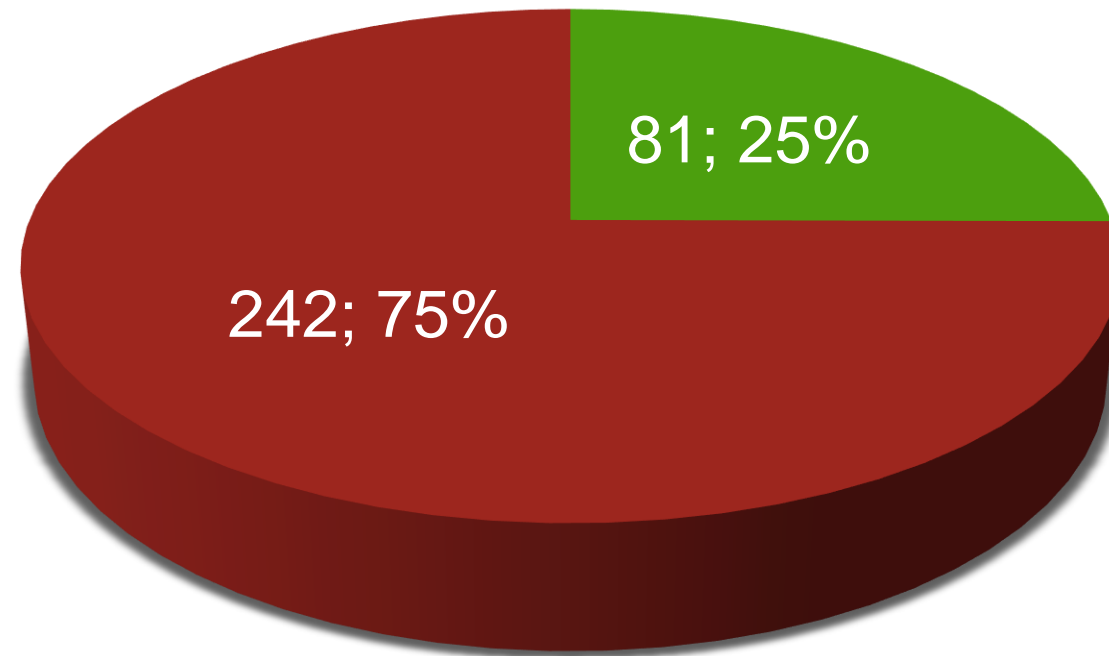


■ Correct ■ Incorrect



Exercises 1: Convert to the requested unit

$53 \text{ l} = \dots \text{ dm}^3$



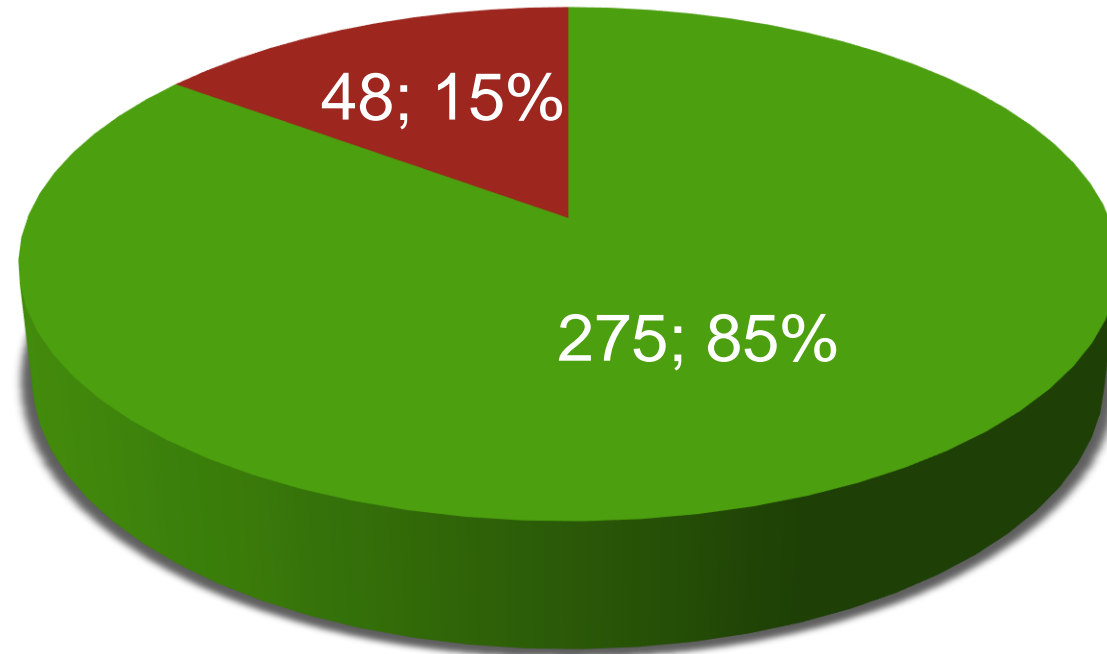
■ Correct ■ Incorrect



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Exercises 1: Convert to the requested unit

300 m = ... km

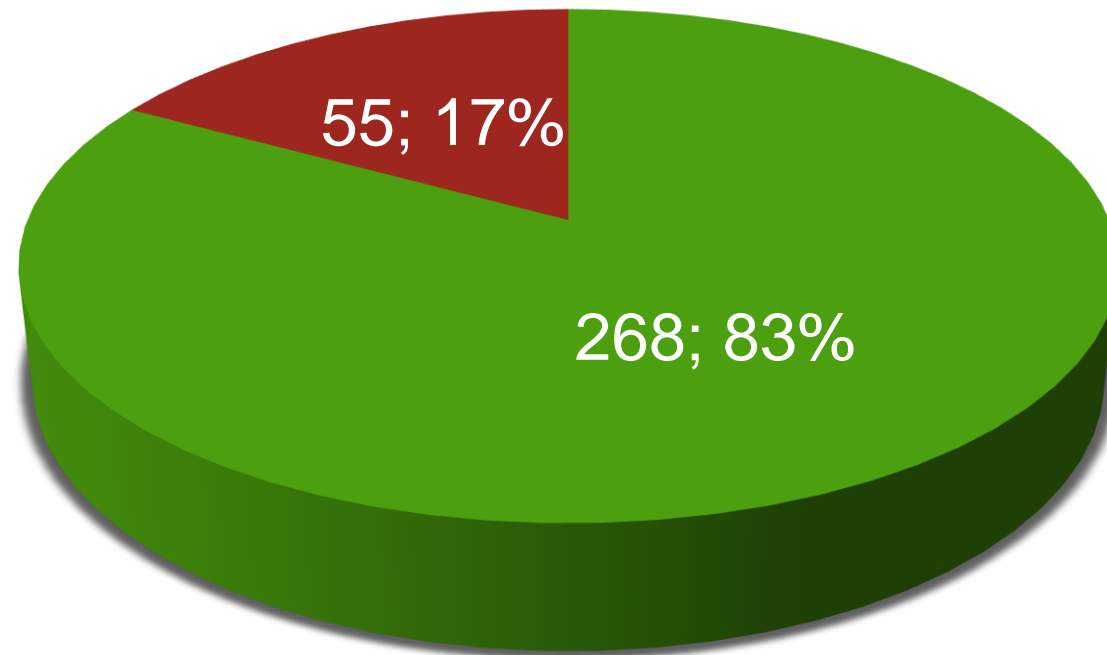


■ Correct ■ Incorrect



Exercises 1: Convert to the requested unit

$4.5 \text{ kg} = \dots \text{ g}$



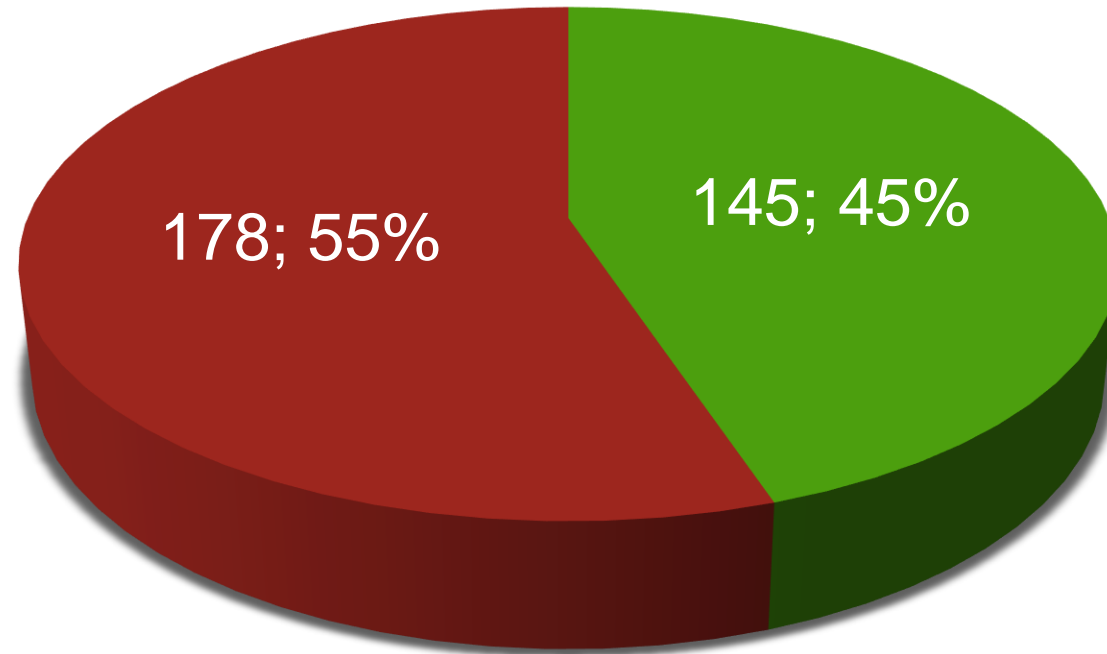
■ Correct ■ Incorrect



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Exercises 2: Percentages

2 % out of 100=?



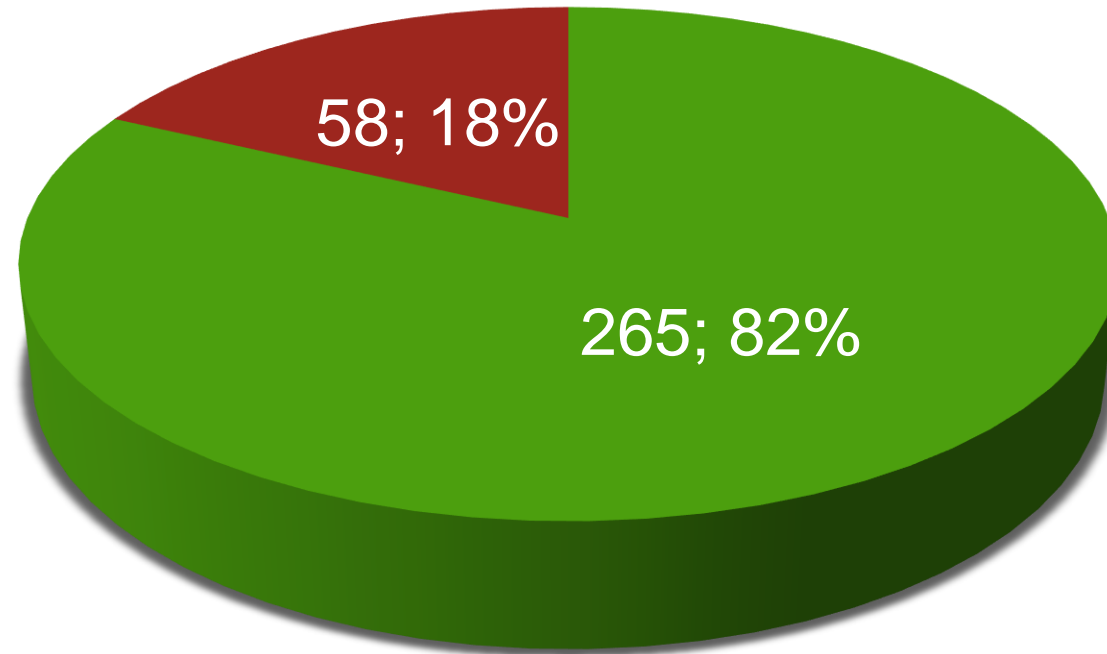
■ Correct ■ Incorrect



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Exercises 2: Percentages

$\frac{1}{4} = \dots\%$

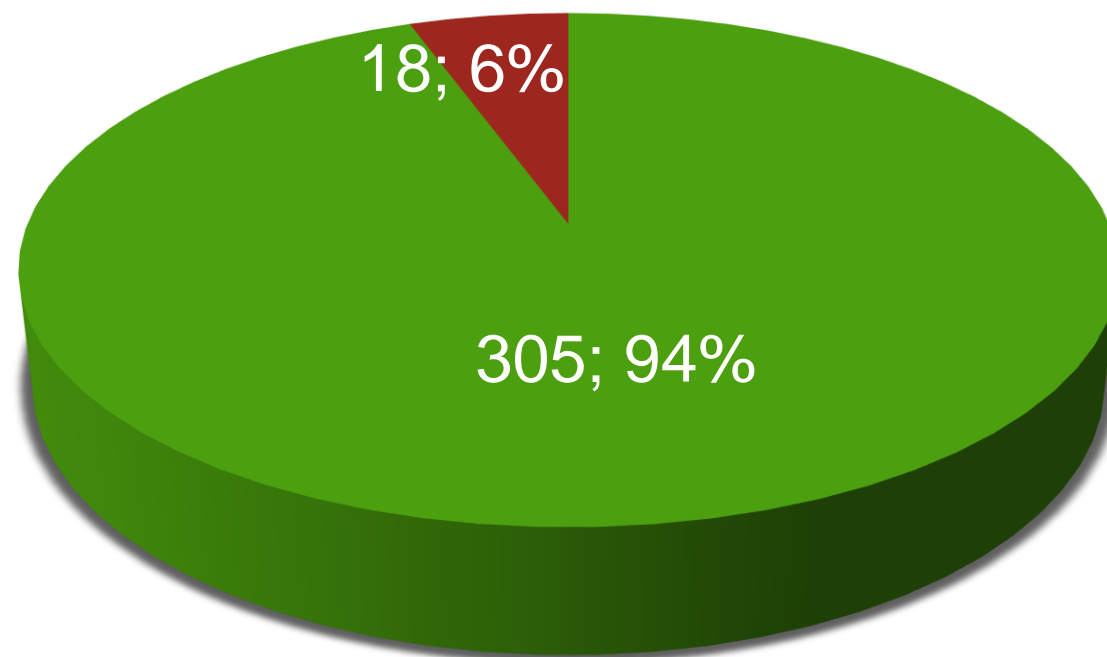


■ Correct ■ Incorrect



Exercises 2: Percentages

The student has 60 euros. He wants to buy headphones, that cost 15% less. Is he able to buy the headphones?

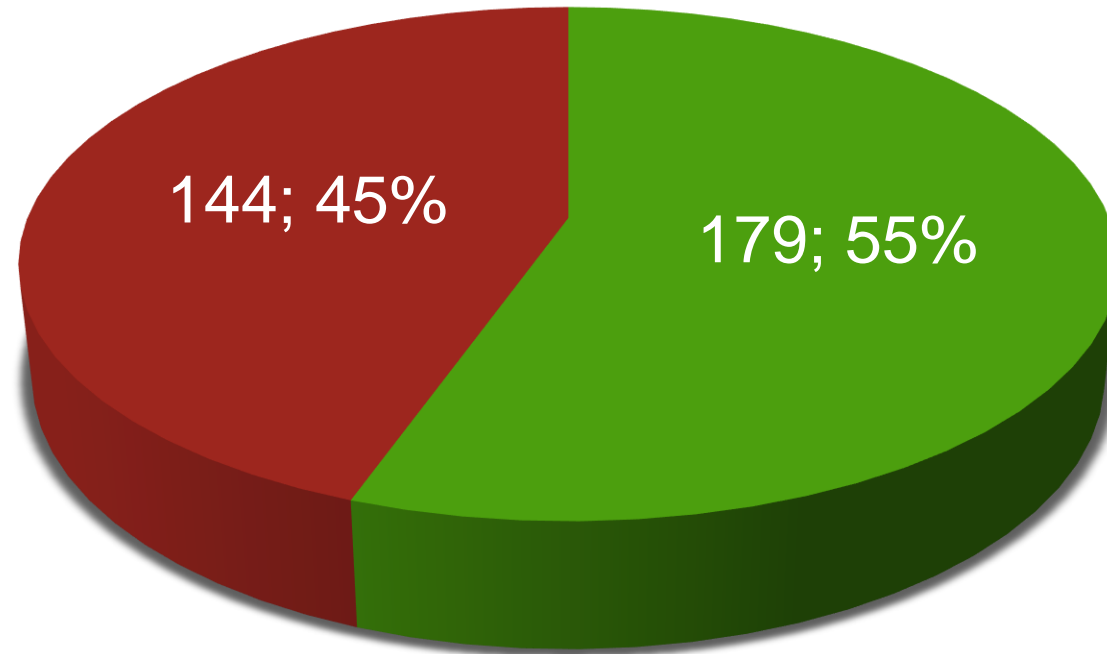


■ Correct ■ Incorrect



Exercises 2: Percentages

How much can the headphones cost at most?

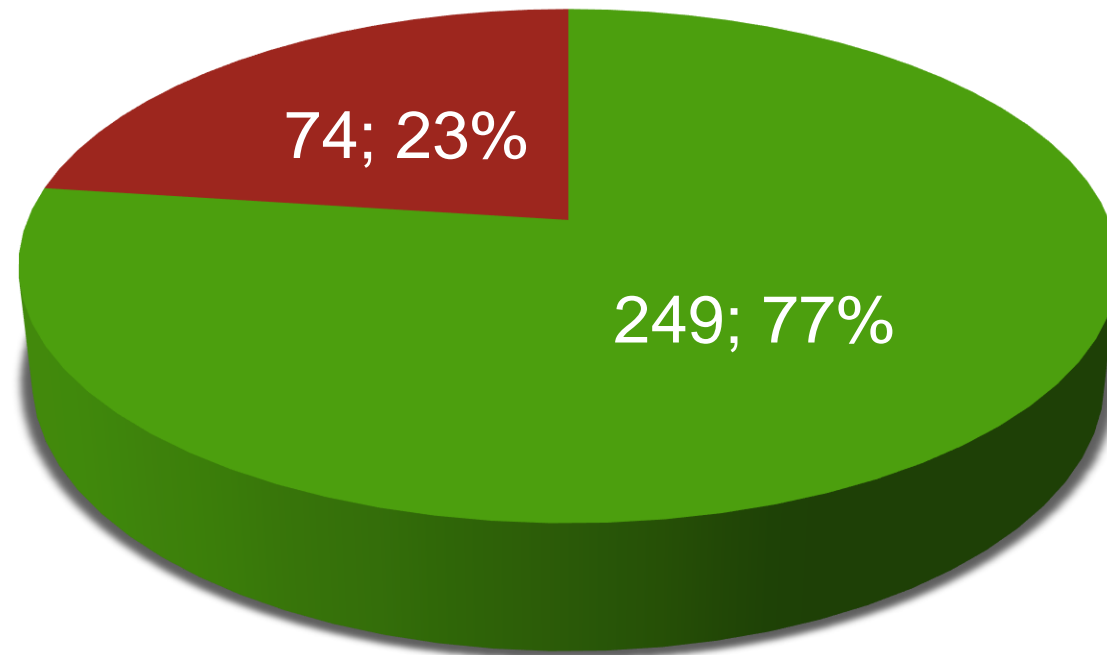


■ Correct ■ Incorrect



Exercices 3

Solve the previous equation by giving the value of x. $\frac{3}{x} = \frac{7}{21}$



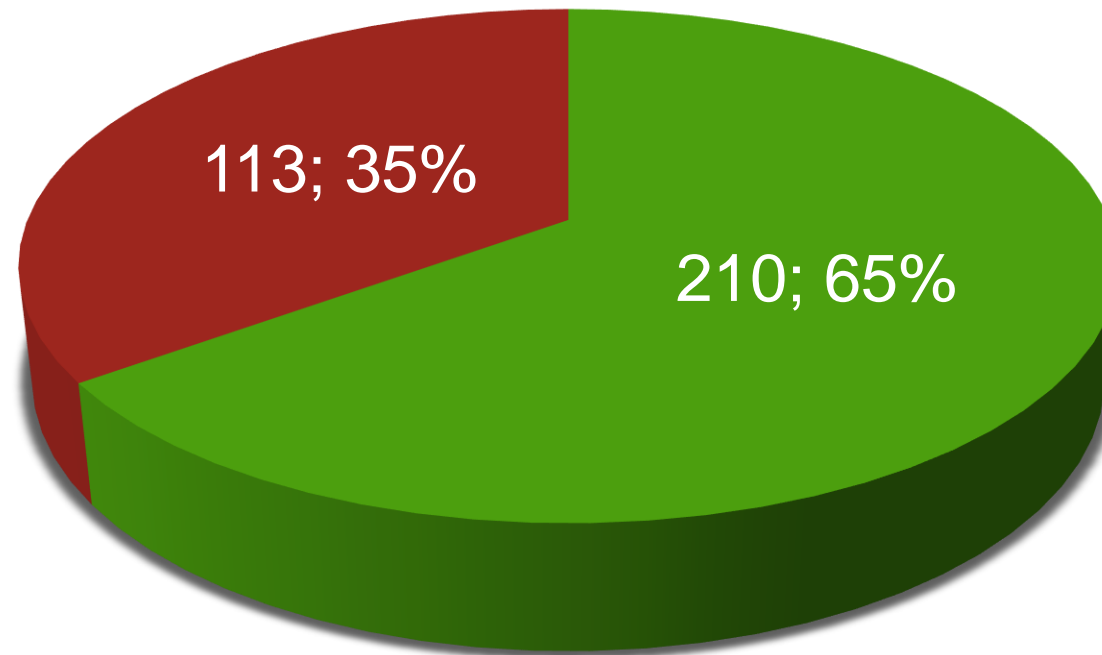
■ Correct ■ Incorrect



Excercises 3

Simplify the expression above

$$(a+3)^2$$



■ Correct ■ Incorrect

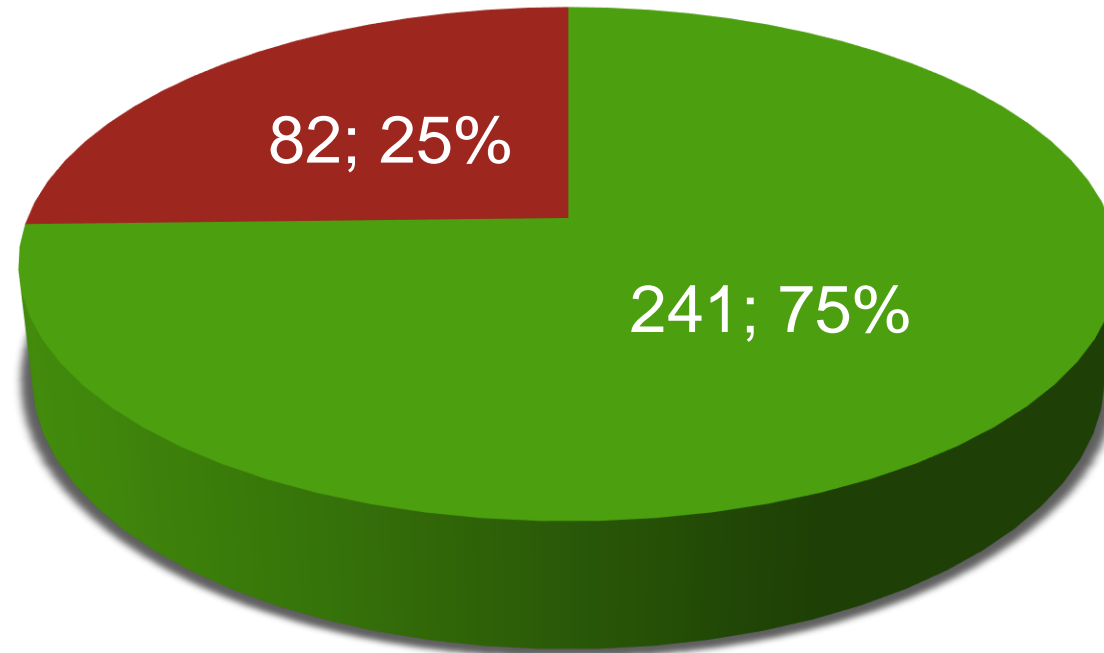


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Exercices 4

Which of these equals to the expression above?

$$x^2 - 9 =$$



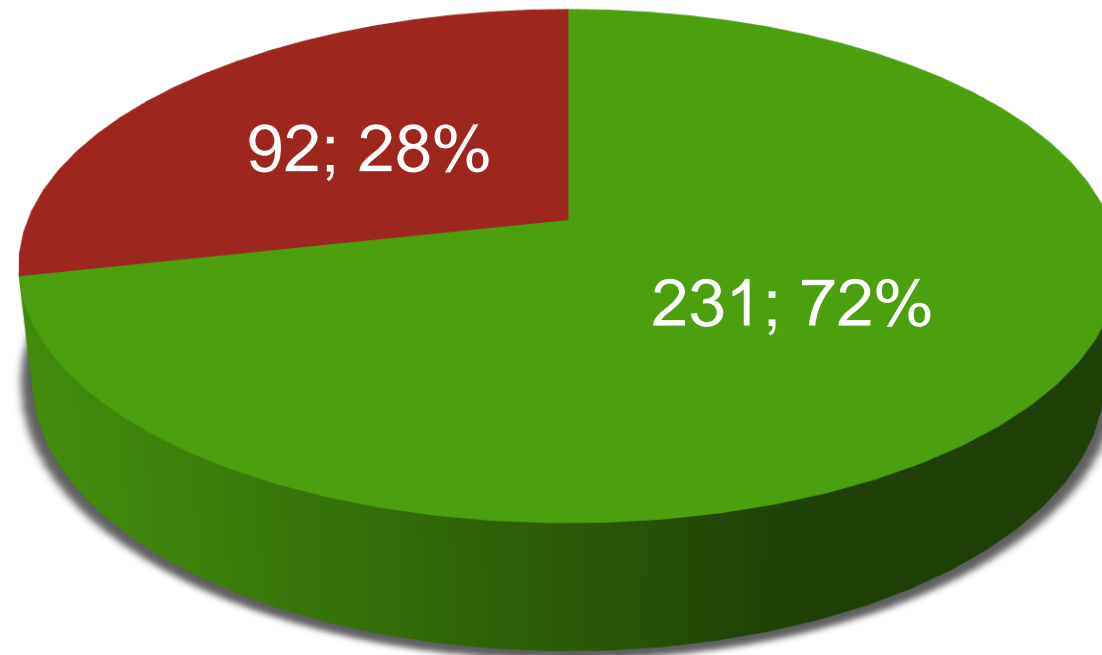
■ Correct ■ Incorrect



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Exercices 4

Solve the linear equation $3x+9=6$



■ Correct ■ Incorrect

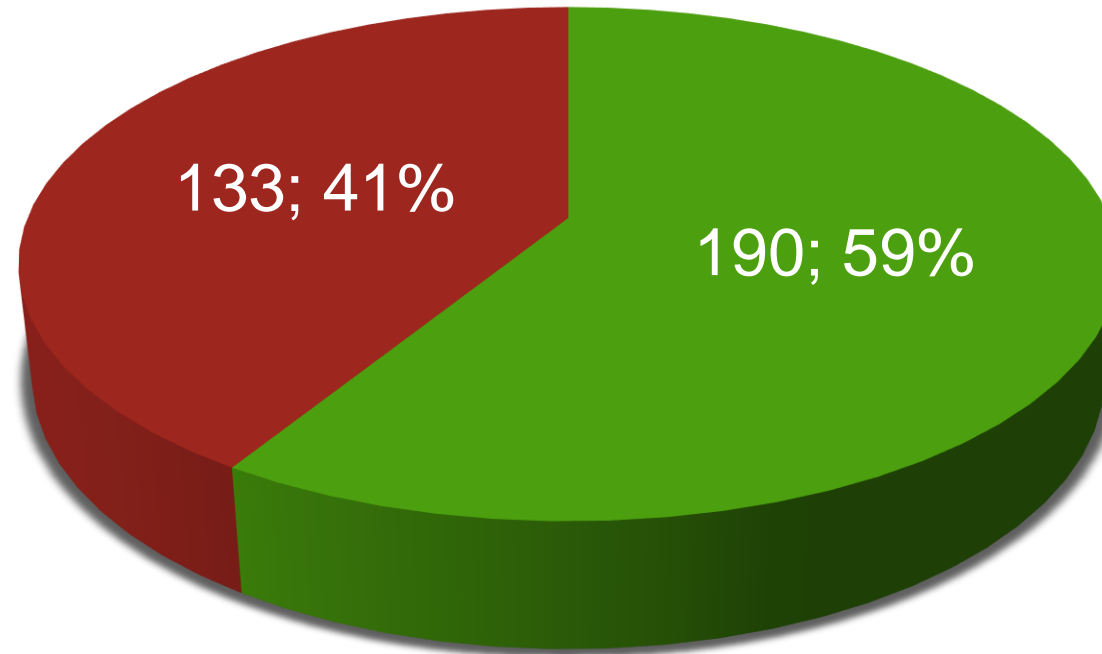


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Exercices 4

Choose the right solution for the following equation

$$x^2 - 6x - 7 = 0$$



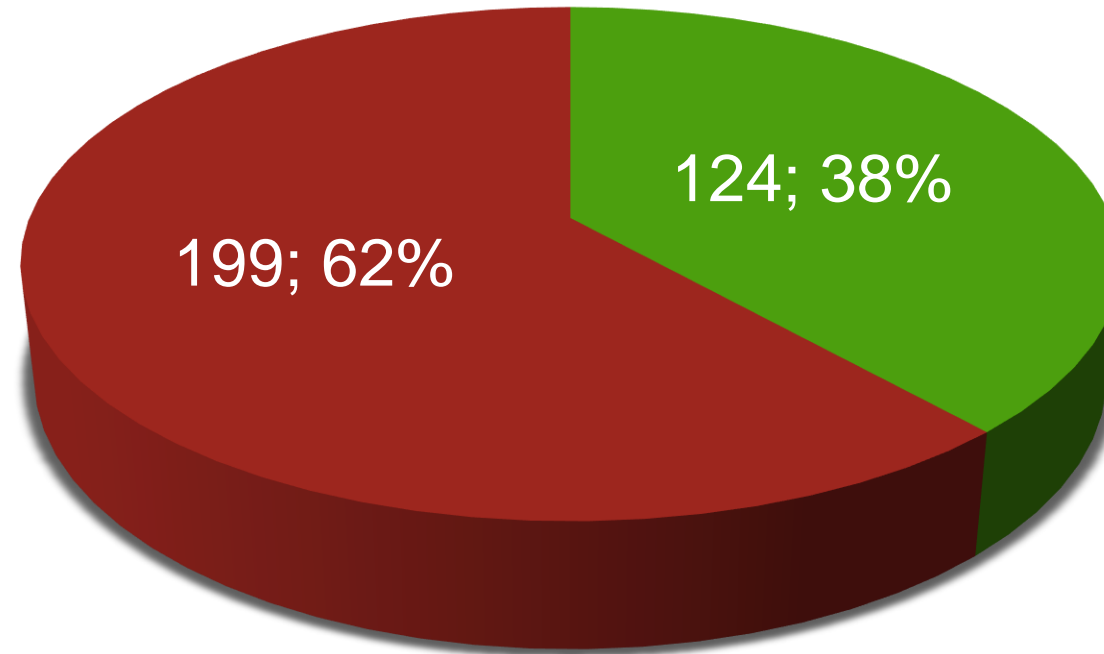
■ Correct ■ Incorrect



Exercises 4

Choose the right solution for the following equation

$$x^2 - x - 6 = 0$$



■ Correct ■ Incorrect

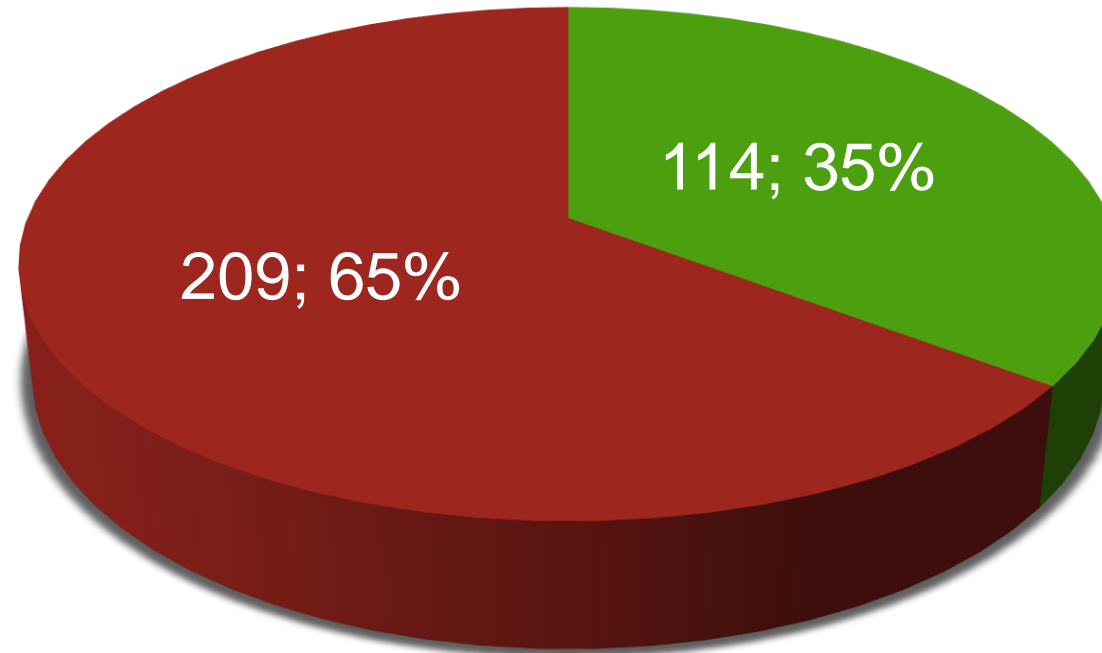


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Exercices 4

Choose the right solution for the following equation

$$9x^2 - 81 = 0$$

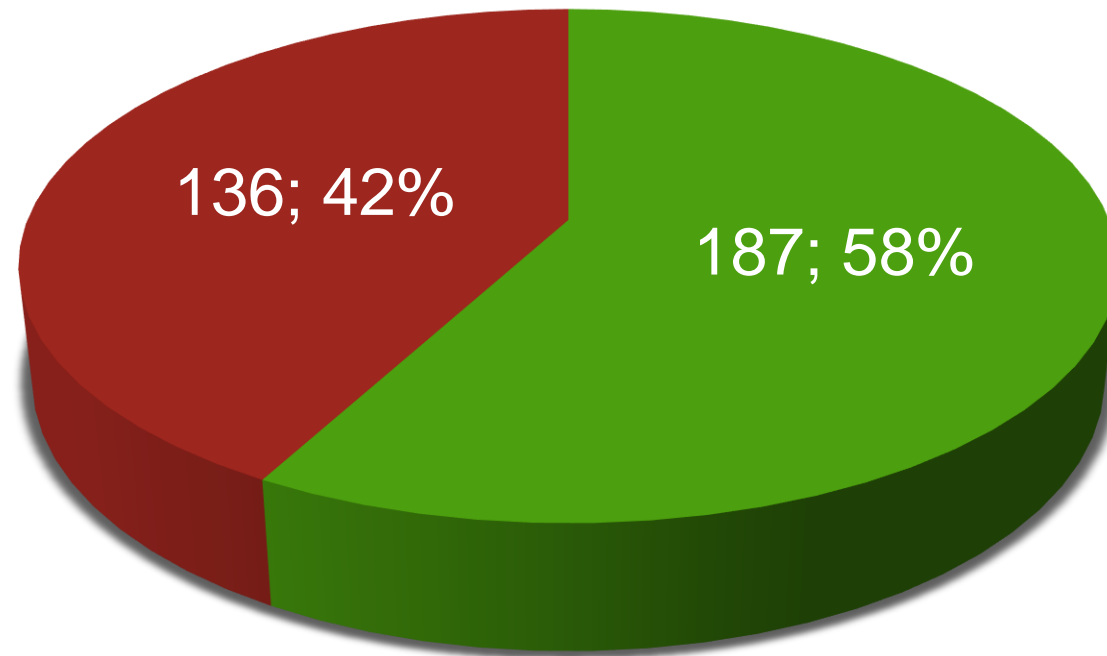


■ Correct ■ Incorrect



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Excercises 5: Count out

$$5+(-8-9)*0 = ?$$


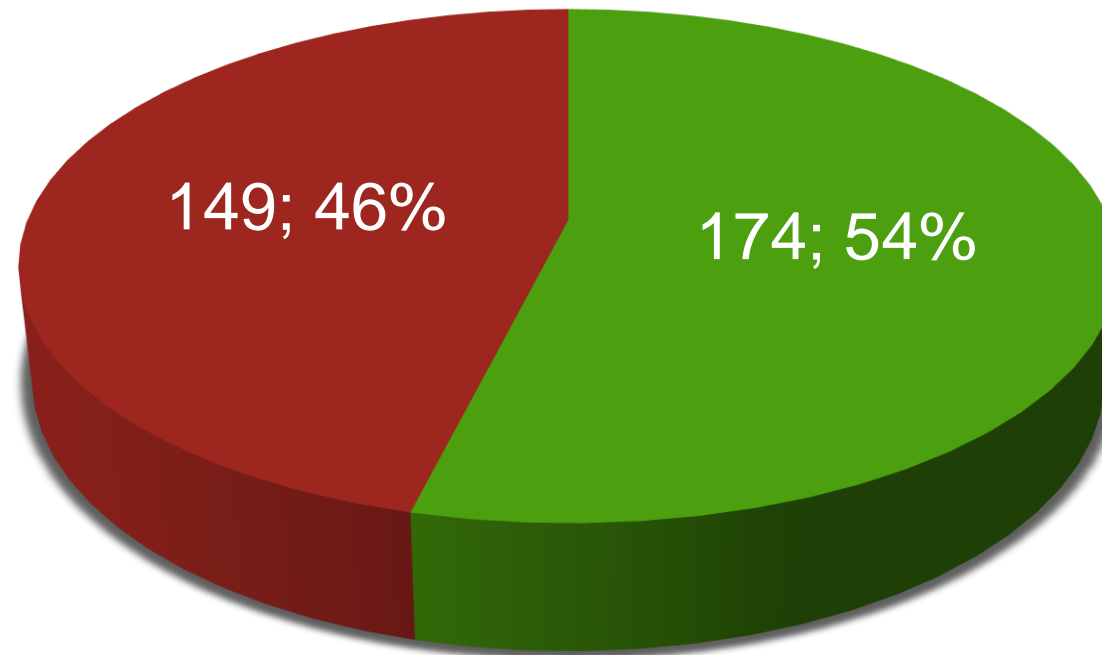
■ Correct ■ Incorrect



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Excercises 5: Count out

The hypotenuse of a right triangle is 10 cm and one of the other sides is 80 mm. How long is the third side in centimeters?



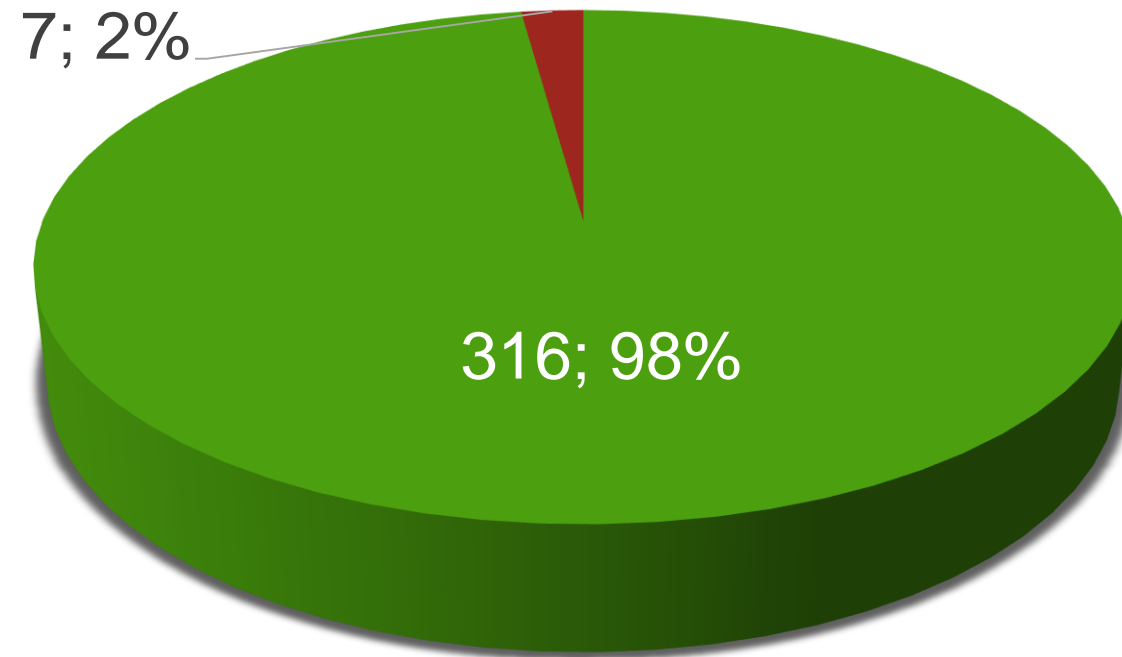
■ Correct ■ Incorrect



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Excercises 6: Name the geometric shapes

Trapezoid

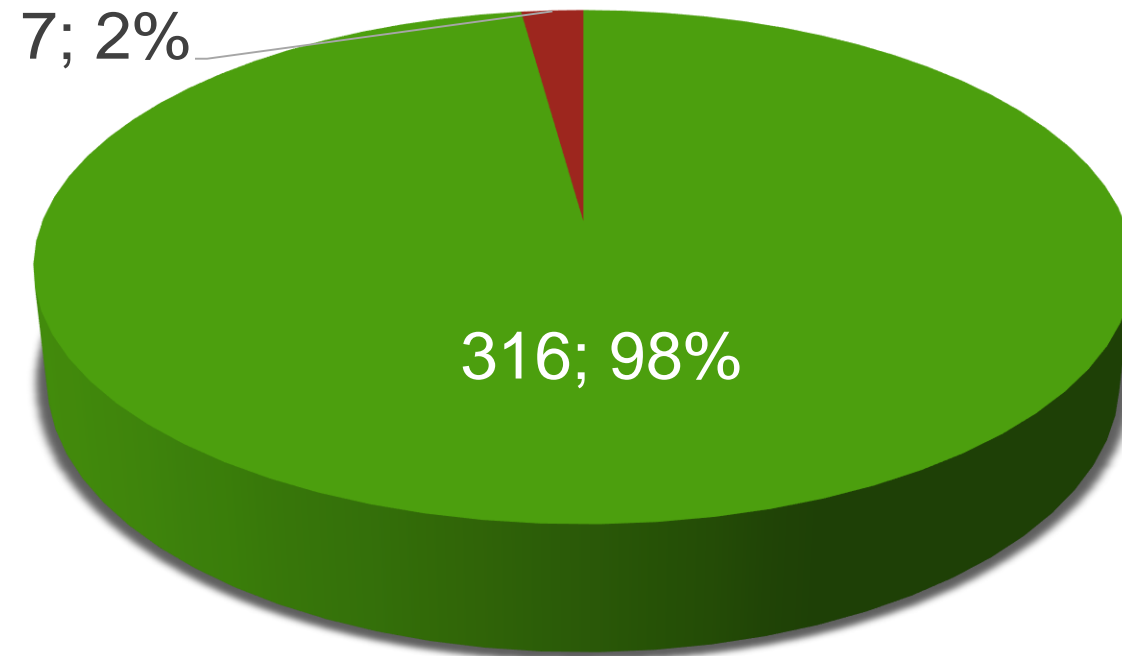


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Excercises 6: Name the geometric shapes

Square



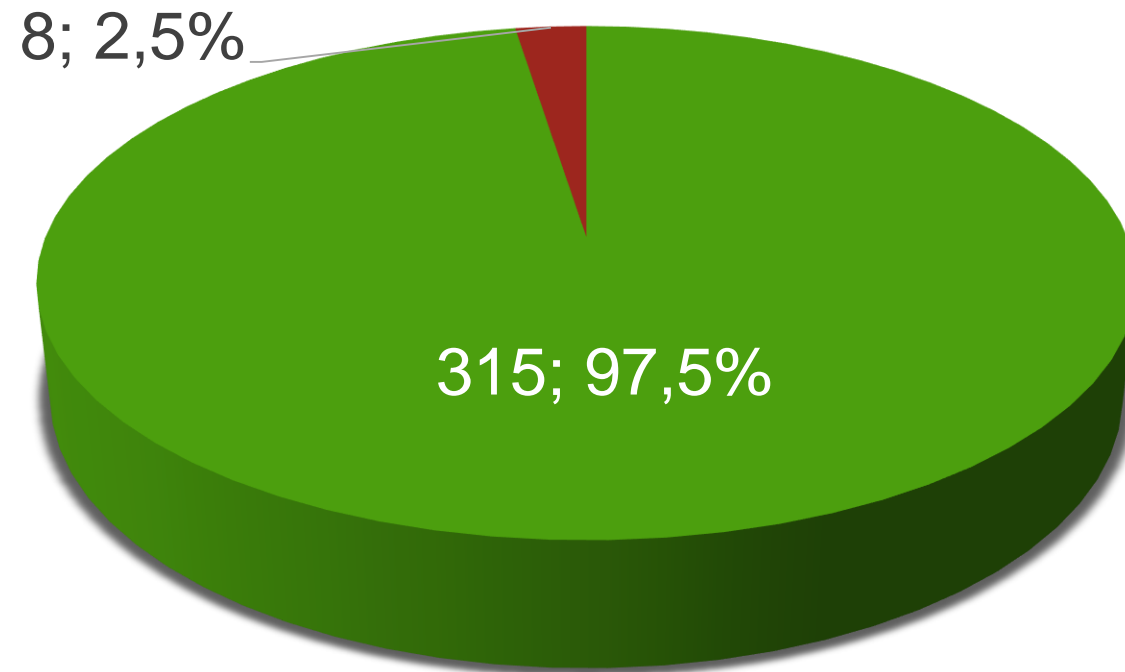
■ Correct ■ Incorrect



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Excercises 6: Name the geometric shapes

Rhombus



■ Correct ■ Incorrect



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