Entrance Exams - Mathematics tercie, kvarta - requirements

1. position of numbers on the number line, signs of inequality, comparing numbers
2. operations with whole numbers, decimals, fractions (addition, subtraction, multiplication, division)
3. number rounding
4. percentages
5. working with the table
6. working with graph
7. plane figures and their properties
8. pairs of angles

Examples:

1. Draw a horizontal number line and mark on it the exact images of the following numbers:

   -2^2 ; 0,4; -2,3

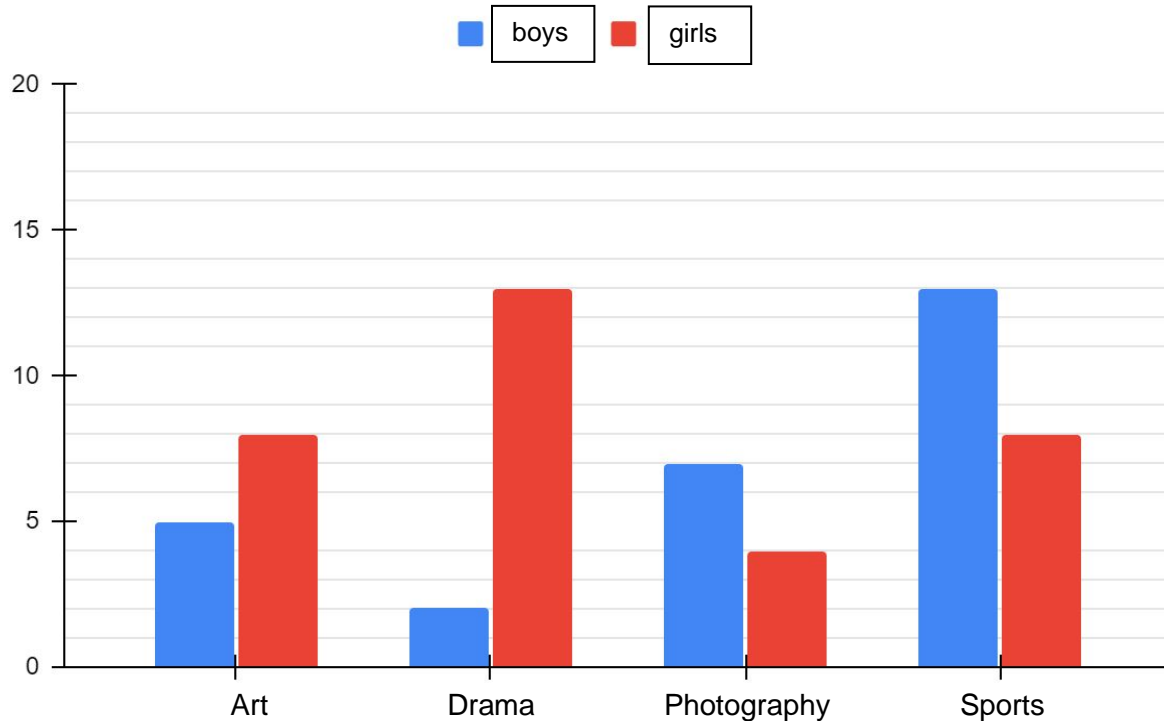2. Round the numbers 0,0385 and 2,37408 to

   a) tithes

   b) 2 decimals

3. Calculate:

   a) 3,78 - 0,87

   b) $\frac{3}{7} \div \frac{5}{6}$

4. The chart shows the numbers of boys and girls who attend art, drama, photography and sports clubs:

boys girls

- How many students attend clubs?
- What percentage are boys?
- What percentage of the total number of students in clubs attend a sports club?

5. Some numbers are missing in the table, fill them in.

A	108	261		
B	12		4	5
A+B			-32	
A-B		174		
A:B				120

Links to practice:

https://www.umimematiku.cz/

https://prijimacky.cermat.cz/