

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:

-2²; 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) $\frac{3}{7} \div \frac{5}{6}$

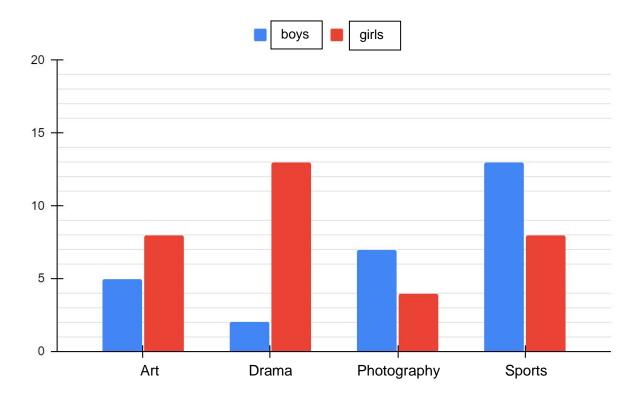
1st International School of Ostrava - mezinárodní gymnázium, s.r.o.

www.is-ostrava.cz

- 1stinternationalschoolofostrava
- 1stiso1stISOgympl



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



- 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.

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

Links to practice:

https://www.umimematiku.cz/

https://prijimacky.cermat.cz/

1st International School of Ostrava - mezinárodní gymnázium, s.r.o.

Gregorova 2582/3 702 00 Ostrava E-mail: info@is-ostrava.cz Tel.: +420 723 332 653 IČ: 26844401 Bankovní spojení: KB, a.s., č.ú 115-576580247/0100 www.is-ostrava.cz

- 1stinternationalschoolofostrava
- 1stiso1stISOgympl