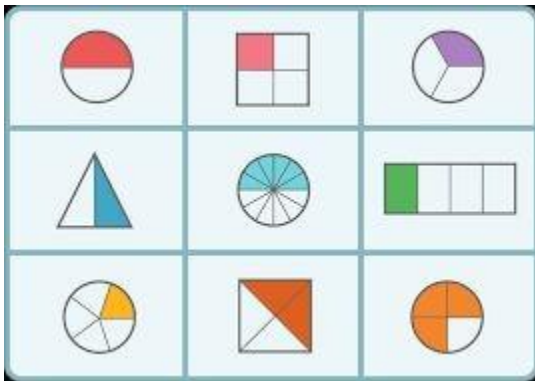# Entrance Exams - Mathematics prima, sekunda - requirements

Topics in the test:

1. display of numbers on the number line, inequalities (e.g. select a number from a set of numbers) {2; 35; 18; 81; 125} number which is:
   a) smallest
   b) biggest
   c) all smaller than 70
   d) all from 36 to 45

2. operations with natural numbers (addition, subtraction, multiplication, division) e.g.: 68348 : 7 =

3. word problems

4. unit conversions

   e.g.:   ? cm =   2700dm =   ?m

5. basic fractions, e.g. write the colored part as a fraction

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6. tables, graphs

Fill in the missing numbers in the table:

A	45	65		
B	3		4	5
A+B			32	
A-B		60		
A:B				5

7. basic geometric shapes - names, properties
8. perimeter and content of a square and a rectangle
9. drafting of perpendicular and parallel lines

Links to practise:

https://www.umimematiku.cz/

https://prijimacky.cermat.cz/