

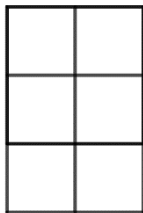
Instructions on the courses KMA/IPM1 and EIPM1 (Mathematical Thinking in Practice) – part about Concept Cartoons

Lessons: November 13th, 20th and 27th

Seminar work:

Choose two mathematical tasks from the following list. Create a Concept Cartoon for each of them. Explain which bubbles in your cartoons are right and which are wrong. Submit the work to Teams before **January 31st**.

- 1) Together, Tom and Carl have 18 marbles. Carl has 4 marbles more than Tom. How many marbles has Tom?
- 2) Together, John and Lucia have 20 marbles. John has 4-times more than Lucia. How many marbles has Lucia?
- 3) Anna has 7 fish in the aquarium. Maria 5 more. How many fish do they have together?
- 4) Tina has 7 fish in the aquarium. Paul 5 less. How many fish do they have together?
- 5) The coat that costs 40 euro will be discounted by 30 %. What will be the price after the discount?
- 6) The coat has been discounted by 20 %, it costs 40 euro now. What was the price before the discount?
- 7) The dress that costs 60 euro will be discounted by $\frac{1}{4}$. What will be the price after the discount?
- 8) The dress has been discounted by $\frac{1}{4}$, it costs 60 euro now. What was the price before the discount?
- 9) How many squares can be found in the picture below?



- 10) What is the area of the triangle below?

