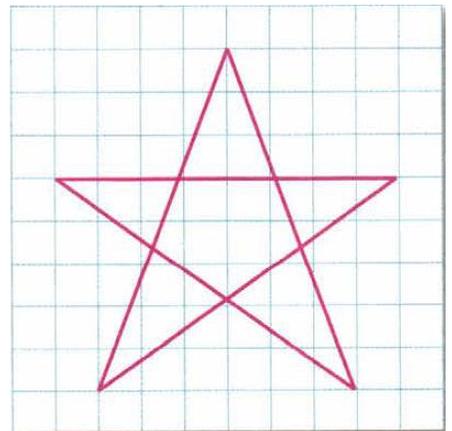


Math 4d, Homework 15.

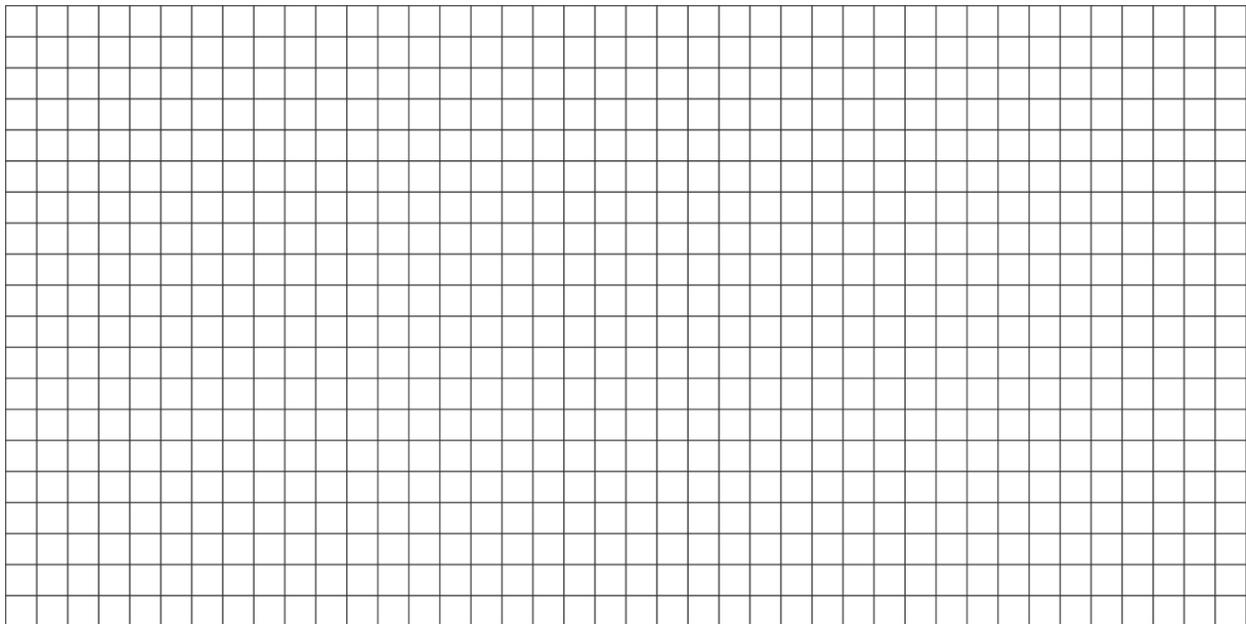


1. Mark and Julia live on the same straight street. The distance between their houses is 6 km. They decided to meet and started moving towards each other at the same time. Mark walked at a speed of 5 km/h and Julia walked at a speed of 3 km/h. In how many minutes they will meet?
2. Houses of Winnie the Pooh and Piglet are on the same street 600 m apart. At the same time, they started moving in the opposite directions. Pooh was walking with the speed of 3 km/h and Piglet was running with the speed of 6 km/h. How far from each other they will be in 20 minutes?

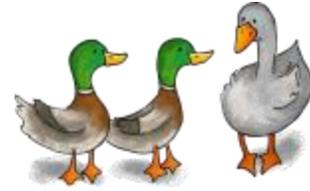
3. A conveyor has processed 100,000 pizzas in a factory by putting the following ingredients on top of pizzas in this order:
  - i. Canadian bacon onto every 8th pizza
  - ii. Pieces of pineapple onto every 9th pizza
  - iii. Green peppers onto every 12th pizza.



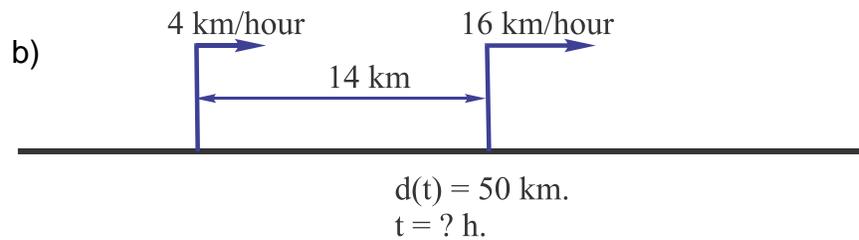
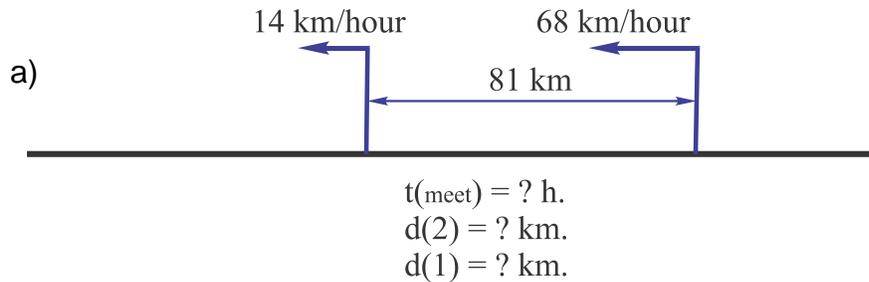
- a) How many of the pizzas have all the three toppings?
  - b) How many of the pizzas have both Canadian bacon and green peppers but not pineapple?
4. Copy the star on the graph paper. a ruler to draw segments.



5. 4 little ducklings and 5 little geese weight 4 kg and 100 g. 5 little ducklings and 4 little geese weight 4 kg. How much does one little goose weight.



6. Come up with the word problems corresponding to the pictures below and solve them:



7. Fill the empty spaces:

Example:  $8 + (-5) = 3$

a.  $8 + \dots = 5$

b.  $15 + \dots = 0$

c.  $(-4) + \dots = -6$

d.  $(-1) + \dots = -1$

e.  $(-10) + \dots = -5$

f.  $8 - \dots = 12$

g.  $-4 - \dots = 4$

h.  $6 - \dots = -2$

8. Aunt Sally asked Tom Sawyer to paint  $\frac{2}{5}$  of the whole fence. He asked his friend Ben Rogers to help him and Ben painted  $\frac{1}{4}$  of that part of the fence. What is the length of the fence if Ben painted  $2\frac{1}{2}$  m.

