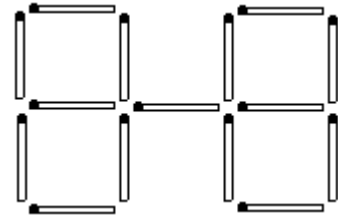Math 4d. Homework 19.

1. If Anya walks to school and goes back by bus, she spends 1.5 hours on the road. If she goes by bus in both ways, then the whole journey takes her 30 minutes. How much time will Anna spend on the road if she walks to and from school?

2. If the salary is first increased by 20%, and then reduced by 20%, will it increase or decrease as a result?

3. Number A is positive, number B is negative, number C equal to 0. Positive or negative number will be the value of $AB + AC + BC$?

4. Can you move two matches on the picture to make 5 equal squares.

5. Evaluate:
$$\frac{\left(0.5 : 1.25 + \frac{7}{5} : 1\frac{4}{7} - \frac{3}{11}\right) \cdot 3}{\left(1.5 + \frac{1}{4}\right) : 18\frac{1}{3}}$$

Answer is 32.

6. A book is 25% more expensive than a notebook. How many percent the notebook is less expensive than the book?

7. Dry cranberries contain 25% of water. How much water should be evaporated from 5 kg of fresh cranberries to get dry cranberries, if fresh cranberries contain 85% of water?

8. To do her homework, Julia solved math problems, wrote an essay, and did a history project. It took her 2 hours and 15 minutes to finish all the assignments. The ratios of the times she spends doing math, writing the essay, and doing history project are 3:2:1. How much time did she spend for each of her subjects?