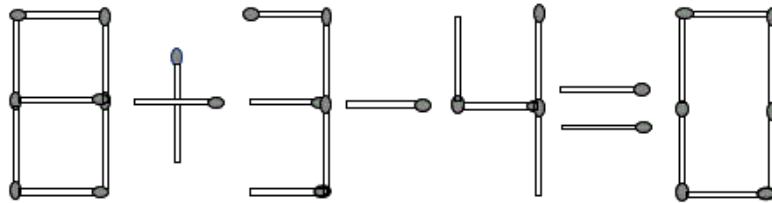# May 2021 challenge

1. Matchstick image of a numeral equation (8 + 3 − 4 = 0) is incorrect. Can you correct the equation by moving just a) one matchstick and b) by moving just two matchsticks? (Note: All matchsticks must be used and there may be more than one solution for a and b.)

2. Jackie has two summer jobs. She works as a tutor, which pays $12 per hour, and she works as a lifeguard, which pays $9.50 per hour. Each week she earns a total of $220 while working a total of 20 hours per week. How many hours did she work at each job per week?

3. In the triangle below, what is the length of line AD?