7.RP Double Discounts

Task

Emily has a coupon for 20 percent off of her purchase at the store. She finds a backpack that she likes on the discount rack. Its original price is $60 but everything on the rack comes with a 30 percent discount. Emily says

Thirty percent and twenty percent make fifty percent so it will cost $30.

a. Is Emily correct? Explain.

b. What price will Emily pay for the backpack?