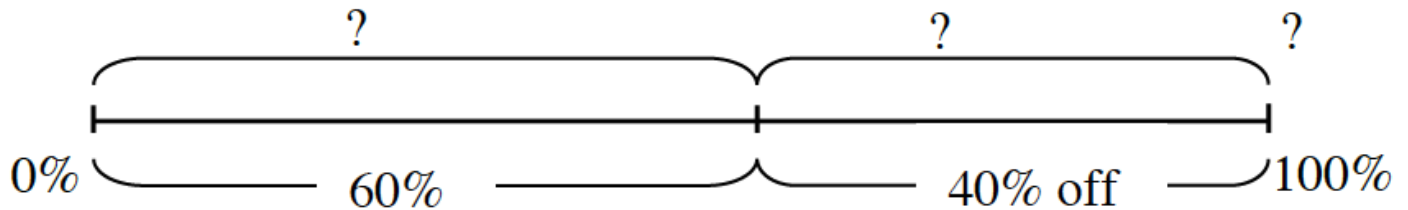


5-14. Miranda is always looking for a great deal while shopping. She found a sale rack where all of the jeans are marked 40% off. Her favorite jeans regularly cost \$65.

a. To figure out if she has enough money to buy a pair of jeans, Miranda decides to estimate. She thinks that the jeans will cost approximately \$30. Is her estimate reasonable? Explain your thinking.

b. To find the exact answer, Miranda created the diagram below. How could she add marks to partition the line evenly? Partition the line and calculate the missing values.



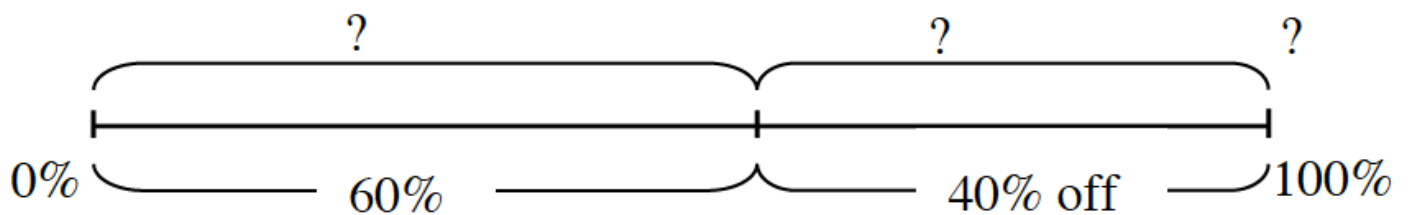
c. How much money will Miranda save? What is the price she will have to pay?

d. Miranda wants to check her answer from part (c). How could she use ratios with the amount she saved and the original price to verify that she received a 40% discount?

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