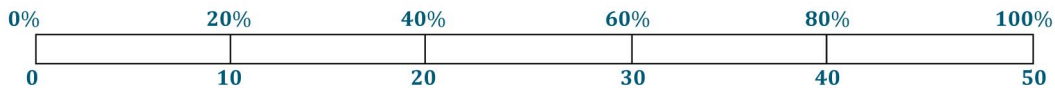# Solving Percent Problems

Angelina received two discounts on a $50 pair of shoes. The discounts were taken off one after the other. If she paid $30 for the shoes, what was the percent discount for each coupon? Is there only one answer to this question?

1. Henry has 15 lawns mowed out of a total of 60 lawns. What percent of the lawns does Henry still have to mow?

2. Marissa got an 85% on her math quiz. She had 34 questions correct. How many questions were on the quiz?

3. Lucas read 30% of his book containing 480 pages. What page is he going to read next?

Angelina received two discounts on a $50 pair of shoes. The discounts were taken off one after the other. If she paid $30 for the shoes, what was the percent discount for each coupon? Is there only one answer to this question?

Original Price $50

0%	20%	40%	60%	80%	100%
0	10	20	30	40	50

20% off $50 = $10 *discount. After a* 20% *off discount, the new price would be* $40.

25% off $40 = $10 *discount. After a* 25% *off discount, the new price would be* $30.

Therefore, the two discounts could be 20% *off and then* 25%.

This is not the only answer. She could have also saved 25% *and then* 20%.

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1. Henry has 15 lawns mowed out of a total of 60 lawns. What percent of the lawns does Henry still have to mow?

   75% of the lawns still need to be mowed.

2. Marissa got an 85% on her math quiz. She had 34 questions correct. How many questions were on the quiz?

   There were 40 *questions on the quiz.*

3. Lucas read 30% of his book containing 480 pages. What page is he going to read next?

   30% is 144 *pages, so he will read page* 145 *next.*