

7.RP.3: Worksheet

Solutions

1. Fred's lunch bill is \$17.50. If he wants to tip his waiter 20%, what tip should he leave? **His tip should be \$3.50.**
2. Awesome Bikes is having a 40% off sale. If Deb wants to buy a bike that was originally \$300, how much will she actually pay for it (not including tax)? **Her new subtotal will be \$180.**
3. Towels are 30% off at the Towel Emporium, but for today only. If our total before discount was \$99.30, how much are we saving? **\$29.79.**
4. Jaya agrees to give Matt a loan for \$80, but she'll also be charging him 8% interest. How much will he have to pay her back? **Matt owes her \$86.40.**
5. The number of dragons in Westeros rose by a shocking 15% this year. If there were 300 dragons last year, how many are there this year? **Westeros has 345 dragons this year**
6. According to one study, 35% of Americans live in houses haunted by ghosts. If 1.5 million Americans were polled, how many actually live in haunted houses? **Out of the 1.5 million, 525,000 people claimed to live in haunted houses.**
7. Saeed just had the best dessert of his life, and he wants to show his appreciation by tipping his waitress 22%. If his total before tip was \$31.10, how much will his new total be? **The total price is \$37.94 (rounded to two decimal places since we're dealing with money).**
8. Luther's pet Doberman puppy is growing super fast: its weight increases by 3% every week. If it weighs 15 lb. this week, how much will it weigh next week? What about in two weeks? **After one week, the puppy weighs 15.45 lb. After two weeks, it weighs about 15.91 lb**
9. Veronica's tax guy charges her 11% of whatever her total tax return is. If her tax return this year is \$1,120, how much does she need to pay him? **She owes her tax guy \$123.20.**
10. Liam has a collection of 200 vintage sodas. If he drinks 9% of them in a desperate sugar-rush, how many does he have left? **He's got 182 sodas left in his collection.**