

#1 Deer Hunting Problems

(key at end)

1. Jack shot a deer that weighted 321 pounds. Tom shot a deer that weighed 289 pounds. How much more did Jack's deer weigh then Tom's deer?
2. When starting the deer hunt on the first day of the season, Betty noticed that the odometer on her SUV read 28,947 miles. At the end of the day it read 29,042 miles. How many miles did she drive that day?
3. In problem #2, if her SUV gets 15 miles to the gallon, how much gas did she use?
4. If gas cost \$3.48 a gallon, how much did the gas Betty used cost her?
5. John buys 3 boxes of shells for his Winchester to add to the half-full box of shells he still has left from last season. If each box holds 20 shells, how many shells does he have?
6. If each box of shells costs \$16.00, what is the cost of each shell in problem #5?
7. Mary bought a new scope for her rifle that cost \$129. If she had \$75 left after buying the scope, how much money did she have before she made the purchase?
8. Sam and Bob leave their hunting cabin at 6:45 a.m. They don't return until 7:30 p.m. How long were gone?
9. On the last day of the deer hunting season, the temperature was -4 degrees F in the morning. By the afternoon, the temperature reached a high of +18 degrees F. How much did the temperature rise that day?
10. If a deer weighed 119 pounds the first year and 204 pounds the second year, how much weight did he gain?

Deer Hunting Problems Answer Key

Note: The problem type categorization and the equation representation are for the teacher's information only. Students should be encouraged to do the problems any way that makes sense to them including the use of problem solving strategies such as drawings and guess and check as well as the use of invented procedures in performing the calculations. For example, in Problem 1, the student might think how far up one must go to get from 289 to 321 and so may say "1 will take me to 290 and 10 more will take me to 300, so that's 11 so far. Then it's another 21 to 321. So that makes 11 plus 21 which is 32. In Problem 9, a drawing of a thermometer (number line) might be useful, etc.

1. Compare Difference Unknown (CDU) problem. $321 - 289 = w$ $w = 32$ pounds

2. Join Change Unknown (JCU) problem. $28,947 + m = 29,042$ $m = 95$ miles

3. Measurement Division problem. $95 \div 15 = p$ $p = 6 \frac{1}{3}$ gallons

4. Multiplication problem. $3.48 \times 6 \frac{1}{3} = c$ $c = \$22.04$

5. Multiplication problem. $3 \frac{1}{2} \times 20 = s$ $s = 70$

6. Partitive Division problem. $16.00 \div 20 = c$ $c = \$.80$

7. Separate Start Unknown problem. $m - 129 = 75$ $m = \$204$

8. Join Change Unknown problem. $6:45 \text{ a.m.} + h = 7:30 \text{ p.m.}$ $h = 12 \frac{3}{4}$ hours

9. Join Change Unknown problem. $-4 + d = +18$ $d = 22$ degrees

10. Join Change Unknown problem. $119 + w = 204$ $w = 85$ pounds