

Write the algebraic expression for each word problem.  
See if you can spot the trick problem that doesn't need algebra!

1)	A chicken weighs $t$ lb. It needs to be cooked for 20 minutes per lb plus an extra 15 minutes. What is the total cooking time?	=
2)	I put £100 in a savings account at $v\%$ yearly interest. How much money will I have in my account at the end of a year?	=
3)	I get £ $m$ for my birthday. I spend half the money, but get given an extra £50. How much money do I have now?	=
4)	A calculator costs £ $d$ . A schools buys 90 calculators, and gets a £100 discount for bulk purchasing. How much did the school spend?	=
5)	A square has sides of $t$ cm. What is the area of the square?	=
6)	A rectangle measures $w$ inches by $h$ inches. What is the perimeter of the rectangle?	=
7)	I have £ $g$ . I spend half my money on a console game and £20 on a console controller. How much money do I have left?	=
8)	I need to buy $p$ pencils. I buy 4 packs of 7 pencils, but I still need a few more. How many pencils did I buy?	=
9)	A car travels 120 miles in $h$ hours. What is the average speed in miles per hour?	=

#### ANSWERS

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|--------------------------|----------------------------------|
| 1) $20t + 15$            | 7) $(g/2) - 20$                  |
| 2) $£100 + v$            | 8) $p - (4(7))$ or just $p - 28$ |
| 3) $(m/2) + 50$          | 9) $120/h$                       |
| 4) $90d - 100$           |                                  |
| 5) $t^2$                 |                                  |
| 6) $2w + 2h$ or $2(w+h)$ |                                  |

