## Why Are Mr. and Mrs. Number So Happy?



Let $n$ represent an unknown number.
0. 8 more than 3 times the number
E. 9 less than twice the number
.1. 8 minus the product of 9 and the number
A. The sum of 9 and twice the number
(c) The difference of 8 and twice the number
T. The quotient of 3 times the number and 8
E. One-third of twice the number

| 20-8-9n | (8) $2 n-9$ | (24) $3 n+9$ |
| :---: | :---: | :---: |
| (10) $8-2 n$ | (19) $9+2 n$ | $(173 n+8$ |
| (31) $\frac{3 n}{2}$ | (6) $\frac{2 \pi}{3}$ | (1) $\frac{3 \pi}{8}$ |

Let $w$ répresent the width of a rectangle.
The length is 7 cm more than the width.
(1) Four times the length
(A) 7 cm more than four tmes the width
(H) One-fourth of the length
0. 7 cm less than twice the width
(E. 7 times the sum of the width and 4 cm
(N) Twice the width plus twice the length
(T) The product of the width and the length

Let a represent Zog's age now.
E. Zog's age in nine years
L. Zog's age four years ago
T. 9 times the sum of Zog's age and 4 years
(A) Three tmes Zog's age in two years
E. 2 years more than 3 times Zog's age
Y. Nine tmes Zog's age four years ago
C. Four years less than 9 times Zog's age
$\begin{array}{lll}\text { 6. } 3(a+2) & 14) 9 a-4 & \text { 23 } a-4 \\ \text { 4. } 9(a-4) & 16 & 9(a+4) \\ \text { (22 } 9 a+2 \\ 4 a+9 & 3 & a+9\end{array}$ (34 $3 a+2$

Let $p$ represent the price of a CD. A tape costs $\$ 5$ less than a CD.
(1) The price of a CD increased by $\$ 6$
(0. The price of six tapes
(1.) \$5 less than the price of six CD's
(H) Half the price of a tape
(1.) The price of five CD's and two tapes
T. The price of two CD's and five tapes

N $\$ 6$ less than the price of a tape 5. $4 w-2$ (12. $4(w+7)(18) 2 w+2(w+7)$
(21) $7(w+4)$
(2) $\frac{w+7}{4}$
$23 w(w+7)$
32 $2 w-7$
23 $4 w+7$
15. $\frac{w+4}{2}$
$296 p$
245
(14. 6
29 $6 p-5$
24
$5 p-6$
(11. $6(p-5)$
$p-5$
$20 p+6$
27. $2 p+5(p-5)$
(31) $2 p+5 p$
$35(p-5)-6$
)
(8) $\frac{p-5}{2}$
7. $5 p+2(p-5)$


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