

Halve the Even Numbers from 30 to 40

Fact to Know Strategy

When to use this strategy: Use this strategy when taking half of an even number in the 30's.

How to use this strategy: Notice that $\frac{30}{2} = 15$ and $\frac{40}{2} = 20$, so the answer will be between 15 and 20. One way is to think of the ones digit as being in the "teens" (e.g., think of 8 as 18) and take half of that to get the ones digit of the answer. With a little practice, this is fairly easy.

Examples: $40 \div 2 = 20$ $\frac{34}{2} = 17$ $38 \div 2 = 19$

Use this (new) strategy on the following:	
1.) Simplify $34 \times \frac{1}{2}$	2.) p = number of cell phone overseas minutes used, C = monthly cell phone bill, in dollars, $C = .5p + 17$ Find the cell phone bill if 36 overseas minutes are used.
3.) Solve for x , $2x + 9 = 41$	4.) Ricky sells half his collection of state quarters. How many quarters did he sell if his collection contained 38 quarters?

Use any strategy you know on the following:	
5.) The point $(40, \underline{\hspace{1cm}})$ is on the line $y = \frac{1}{2}x$. Fill in the blank.	6.) In three separate marathons, Howard ran identical times of 260 minutes. How long did it take him combined?
7.) Over 2416 city blocks there are eight garbage trucks. How many blocks does each truck need to get?	8.) Evaluate $14w$ if $w = 13$