10% of a Number

Mental Math Strategy

***When** to use this strategy:* Use this when you want to take 10% of a number.
***How** to use this strategy:* 10% = one-tenth = .1 = 1/10. Therefore, to take 10% of a number, just move the decimal place one place to the left. (You are *dividing* by 10, which will make the number smaller.)

Examples: 10% of 68 = 6.8 10% of 5,600 = 560 10% of 6.8 = .68

Use this (new) strategy on the following:	
1.) Ten percent of the fish caught were longer than 12 inches. There were 40 fish caught. How many were longer than 12 inches?	2.) You have 5.4 ounces of a gas-oil mixture that is 10% oil. How much oil is in the mixture?
3.) If there is a 10% tourism tax on hotel rooms, what is the tourism tax if the hotel room costs $84.50?	4.) A sample of .045 liters is taken and found to be 10% iodine. How much iodine is in the sample?

Use any strategy you know on the following:	
5.) A pentagon has the following sides (in inches): 23, 19, 27, 14, 6. Find the perimeter.	6.) Julie's diet allows for 2,300 mg of sodium each day. If a snack has 10% of the daily allowance, how much sodium is in the snack?
7.) On a family trip to Utah, they averaged 50 mph for 19 hours. How far did they drive?	8.) $(-694) + (-684) + (-710) \approx$

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