Tipping in a Restaurant

EXAMPLE Aaron, Rebecca, Caleb, Madeline, Connor, and Sophia all have dinner at the neighborhood restaurant. The bill comes to $125, which they decide to split 6 ways. They also decide to give a 15% tip to the server. Find the amount due from each diner.

Step 1 Calculate the tip and add it to the bill. Do this in one step by mentally adding the percent of the tip to 100%.

Notice 100% + 15% = 115%
$125 × 115% = 125 × 1.15 = $143.75

Step 2 Divide by the number of diners. Round to the nearest 10 cents.

$$\frac{\$23.95 \approx \$24.00}{6)\ \$143.75}$$

Each person will pay $24.

Directions Find the amount due from each diner. Round to the nearest 10 cents, if necessary.

	Amount of the Bill	Number of Diners	Percent for Tip	Total Bill Plus Tip	Each Person's Share
1.	$124.00	4	15%	_____	_____
2.	$148.00	5	20%	_____	_____
3.	$80.00	3	15%	_____	_____
4.	$56.00	2	15%	_____	_____
5.	$259.75	6	20%	_____	_____
6.	$163.82	4	15%	_____	_____
7.	$374.60	8	18%	_____	_____
8.	$44.81	2	15%	_____	_____
9.	$94.71	3	15%	_____	_____
10.	$203.86	5	20%	_____	_____
11.	$66.90	3	15%	_____	_____
12.	$317.04	7	20%	_____	_____
13.	$478.45	10	18%	_____	_____
14.	$207.14	6	15%	_____	_____
15.	$571.08	10	18%	_____	_____

Consumer Mathematics