Using a Charge Account

EXAMPLE Ryan has bought supplies for her floral shop on her credit card. She owes $330.00. The minimum payment due is $40.00. Ryan decides to pay $80.00. That is more than her minimum so that she can pay it off faster. Ryan's interest charge per month is 0.9% of the unpaid balance. How much will she owe next month if she makes no new purchases?

Step 1 Subtract the payment from the balance to find unpaid balance.

$330 Balance
− 80 Payment
$250 New Balance

Step 2 Find the interest on the unpaid balance.

$250
× .009
$2.25

Step 3 Add the interest to the unpaid balance to the new balance.

$250.00
+ 2.25
$252.25

Ryan now owes $252.25 on her charge account.

Directions Find the interest and new balance on these charge accounts.

	Balance	Payment	Unpaid Balance	Interest Rate per Month	Interest	New Balance
1.	$100.00	$20		1.2%		
2.	$1,020.00	$100		1.5%		
3.	$450.00	$45		1.6%		
4.	$825.00	$85		0.9%		
5.	$56.00	$2.80		1.4%		
6.	$143.00	$7.15		1.5%		
7.	$253.00	$12.65		1.6%		
8.	$167.00	$8.35		2.0%		
9.	$52.70	$2.64		1.8%		
10.	$152.89	$7.64		1.5%		
11.	$376.14	$18.81		1.3%		
12.	$985.09	$49.25		1.5%		
13.	$552.17	$27.61		1.6%		
14.	$682.34	$34.12		1.8%		
15.	$710.02	$35.50		0.9%		

Name Date Period

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Computing the Sale Price

EXAMPLE Claudia buys $10 earrings with a 32% discount. How much does she pay?

Think: 100% − 32% = 68%

$$\begin{array}{r} \$\ 10.00 \\ \times\quad .68 \\ \hline 80\ 00 \\ +600\ 0 \\ \hline \$6.80\ 00 \end{array}$$

Claudia pays $6.80.

Directions Use the shortcut method to compute the sale price in just one written step. Round to the next higher cent.

	Regular Price	Discount	Sale Price		Regular Price	Discount	Sale Price
1.	$26.00	10%	_____	**18.**	$23.30	36%	_____
2.	$17.43	12%	_____	**19.**	$46.90	24%	_____
3.	$38.46	26%	_____	**20.**	$46.84	36%	_____
4.	$36.32	11%	_____	**21.**	$5.13	8%	_____
5.	$46.61	8%	_____	**22.**	$9.45	39%	_____
6.	$30.17	38%	_____	**23.**	$34.60	21%	_____
7.	$20.70	28%	_____	**24.**	$8.73	3%	_____
8.	$35.66	31%	_____	**25.**	$411.84	37.1%	_____
9.	$17.01	16%	_____	**26.**	$43.97	16%	_____
10.	$362.01	31.2%	_____	**27.**	$39.03	18%	_____
11.	$40.87	43%	_____	**28.**	$17.80	12%	_____
12.	$26.60	31%	_____	**29.**	$32.70	17%	_____
13.	$19.89	44%	_____	**30.**	$18.65	26%	_____
14.	$42.20	39%	_____	**31.**	$32.99	17%	_____
15.	$26.67	44%	_____	**32.**	$30.13	15%	_____
16.	$6.98	2%	_____	**33.**	$47.02	45%	_____
17.	$28.45	25%	_____	**34.**	$45.44	41%	_____