

## Review Topic 3: Mental Percentages

Think about a 50% off sale. The arithmetic is easy. Just divide by 2. 25% is just as easy. Divide by 4. For 75%, divide by 4 then multiply by 3. 10% is found by dividing by 10 which for decimals in your head is just moving the decimal to the left one space.

Practice: Find the given discount for the following original prices. Try doing the arithmetic in your head.

To find this →	10%	20%	30%	70%	5%	15%	35%	85%	25%	50%	75%	$33\frac{1}{3}\%$	$66\frac{2}{3}\%$
do this →	+ 10	+ 5	3*10%	7*10%	$\frac{1}{2}$ *10%	10%+5%	30%+5%	80%+5%	+ 4	+ 2	+ 4*3	+ 3	+ 3*2
a) \$34.00	3.40 <i>34.00 ÷ 10 = 3.40</i>	1.70	10.20	23.80	1.70	5.10	11.90	28.90	8.50	17	25.50	11.33	22.67
b) \$625	62.50	31.25	187.50	437.50	31.25	93.75	218.75	531.25	156.25	312.50	468.75	258.33	416.67
c) \$1.40	.14	.07	.42	.98	.07	.21	.49	1.19	.35	.70	1.05	0.47	0.93
d) \$5.25	.525 <i>Round</i>	.2625	1.58	3.68	.2625	.79	1.84	4.46	1.31	2.63	3.94	1.75	3.50
e) \$.60	.06	.03	.18	.42	.03	.09	.21	.51	.15	.30	.45	.20	.40
f) \$.62	.06	.03	.19	.43	.03	.09	.22	.53	.16	.31	.47	.21	.41

*Round Patti's answers don't round until last digit provide here*