The following chart shows the relationship between common fractions, percents and decimals.   This chart should be memorized.   Look for obvious patterns to help you memorize these numbers.   (For repeating decimals, ⋯ is used after a pattern has been established. On Number Sense tests, repeating decimals should never be used as an answer.)

Fractions	Percents	Decimals	Fractions	Percents	Decimals
$1/2$	50%	.5	$1/9$	$11\,1/9$%	.111…
			$2/9$	$22\,2/9$%	.222…
$1/3$	$33\,1/3$%	.333…	$4/9$	$44\,4/9$%	.444…
$2/3$	$66\,2/3$%	.666…	$5/9$	$55\,5/9$%	.555…
			$7/9$	$77\,7/9$%	.777…
$1/4$	25%	.25	$8/9$	$88\,8/9$%	.888…
$3/4$	75%	.75			
			$1/10$	10%	.1
$1/5$	20%	.2	$3/10$	30%	.3
$2/5$	40%	.4	$7/10$	70%	.7
$3/5$	60%	.6	$9/10$	90%	.9
$4/5$	80%	.8			
			$1/11$	$9\,1/11$%	.0909…
$1/6$	$16\,2/3$%	.1666…	$2/11$	$18\,2/11$%	.1818…
$5/6$	$83\,1/3$%	.8333…	$3/11$	$27\,3/11$%	.2727…
			$4/11$	$36\,4/11$%	.3636…
$1/7$	$14\,2/7$%	.142857…	$5/11$	$45\,5/11$%	.4545…
$2/7$	$28\,4/7$%	.285714…	$6/11$	$54\,6/11$%	.5454…
$3/7$	$42\,6/7$%	.428571…	$7/11$	$63\,7/11$%	.6363…
$4/7$	$57\,1/7$%	.571428…	$8/11$	$72\,8/11$%	.7272…
$5/7$	$71\,3/7$%	.714285…	$9/11$	$81\,9/11$%	.8181…
$6/7$	$85\,5/7$%	.857142…	$10/11$	$90\,10/11$%	.9090…
$1/8$	$12\,1/2$%	.125	$1/12$	$8\,1/3$%	.08333…
$3/8$	$37\,1/2$%	.375	$5/12$	$41\,2/3$%	.41666…
$5/8$	$62\,1/2$%	.625	$7/12$	$58\,1/3$%	.58333…
$7/8$	$87\,1/2$%	.875	$11/12$	$91\,2/3$%	.91666…
$1/16$	$6\,1/4$%	.0625	$3/16$	$18\,3/4$%	.1875
$5/16$	$31\,1/4$%	.3125	$7/16$	$43\,3/4$%	.4375
$9/16$	$56\,1/4$%	.5625	$11/16$	$68\,3/4$%	.6875
$13/16$	$81\,1/4$%	.8125	$15/16$	$93\,3/4$%	.9375