

Terminating & Recurring Decimals

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Terminating decimals have a finite number (limited) of digits after the decimal point.	$\frac{2}{5} = 0.4$
Recurring decimals have an infinite number (unlimited) of digits after the decimal point. Place a straight-line accent over the numbers that are repeated in the decimal.	$\frac{1}{6} = 0.16666 = 0.1\bar{6}$

Instructions: Re-write the decimals below.

1	0.1111... =	12	0.535555... =
2	1.7777... =	13	3.967967... =
3	5.2525... =	14	5.938938... =
4	8.1666... =	15	6.232222... =
5	3.444... =	16	4.474747... =
6	9.7171... =	17	2.2118118... =
7	4.3444... =	18	8.546546... =
8	1.331331... =	19	7.8993993... =
9	0.318318... =	20	11.544444... =
10	8.327327... =	21	9.32717171... =
11	5.981981... =	22	5.28832883... =



Instructions: Convert the fractions into decimals using a calculator.

1	$\frac{1}{3}$	=	7	$\frac{2}{7}$	=
2	$\frac{2}{9}$	=	8	$\frac{7}{11}$	=
3	$\frac{2}{3}$	=	9	$\frac{1}{7}$	=
4	$\frac{5}{6}$	=	10	$\frac{5}{12}$	=
5	$\frac{3}{7}$	=	11	$\frac{3}{13}$	=
6	$\frac{8}{11}$	=	12	$\frac{8}{13}$	=

Instructions: Convert the fractions into decimals using long division.

	5/9		6/11
1		2	