

MasterMath

Name _____

Fraction - Decimal Equivalency

Date _____

1. Please convert the fraction to a decimal:

fraction	decimal
3/5	.6
4/5	.8
5/5	1
6/11	.55
1 1/5	1.2

fraction	decimal
5 1/3	5.33
1/9	.11
6/7	.86
328 7/8	328.88
8/7	1.14

fraction	decimal
21/25	.84
25/21	1.19
8 1/2	8.5
11/12	.92
6/9	.67

2. Please convert the decimals to fractions, and simplify:

fraction	decimal
1/4	.25
1 7/8	1.875
8 1/2	8.5
3/10	.3
67/100	.67

fraction	decimal
7/20	.35
6543/10000	.6543
1111/1250	.8888
\$2 + \$2/3	\$2.67
18 9/20	18.45

fraction	decimal
53/250	.212
1/10	.1
3/25	.12
123/1000	.123
\$4 \$13/50	\$4.26

3. When you convert $\frac{1}{6}$ to a decimal, is it a repeating decimal or a terminating decimal? Explain.

.1666666... the 6's repeat forever

repeating

4. Juanita had 4 hits in 5 at bats. What was her batting average?
(batting averages are always decimals)

.800

5. Write the number as a fraction. Then write the fraction as a decimal:

number	fraction	decimal
one-fifth	1/5	.2
nine-twelfths	9/12	.75
one and one-third	1 1/3	1.33
five-fourths	5/4	1.25

Orlando 76 2/5 miles
Tampa 38 1/5 miles
Brandon 11 1/2 miles

6. Write the distances as decimals:

city	distance
Orlando	76.4
Tampa	38.2
Brandon	11.5

7. How many times further away is Orlando than Tampa?

twice