

Master Maths 8 Worksheet 12

Decimal Numbers

12

Name: _____

1. Write the following as decimal numbers.

(a) $\frac{3}{10}$ (b) $\frac{29}{100}$ (c) $\frac{37}{1000}$

(d) ninety-three ten-thousandths

(e) four hundred and five tenths

2. Write the following decimal numbers as fractions.

(a) 0.0145 (b) 7.0071 (c) 19.01206

3. Arrange these numbers in order from smallest to largest.

3.6021 3.6201 3.1026 3.1062 3.6012

4. Choose the correct symbol (< or >) to place between the following pairs of numbers.

(a) 5.81 5.65 (b) 6.001 6.01

(c) 0.31 0.28 (d) 8.099 8.101

5. Add one hundredth to the following numbers.

(a) 5.673 (b) 6.3 (c) 8.592

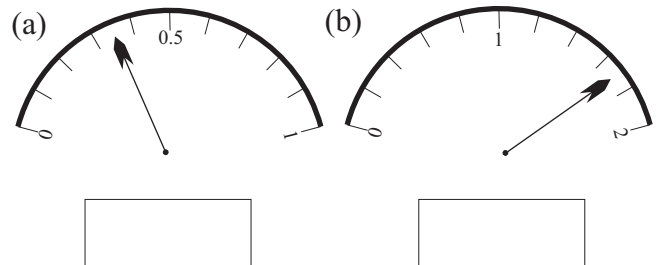
6. Add one thousandth to the following numbers.

(a) 7.8 (b) 0.2496 (c) 1.999

7. Find the number *midway* between the following pairs of numbers.

(a) 8.5 and 8.6 (b) 3.46 and 3.51

8. Read the number shown on the following meters.



9. Round the amounts in the table below to:

- (a) the nearest 5 cents.
 (b) the nearest 10 cents.
 (c) the nearest dollar.

Amount	Nearest 5c	Nearest 10c	Nearest dollar
\$3.64			
\$5.38			
\$6.92			
\$0.46			

10. Complete this table showing conversions between fractions and decimal numbers.

Fraction	Decimal
$\frac{3}{10}$	
$\frac{3}{4}$	
$\frac{2}{5}$	
$\frac{5}{8}$	
$12\frac{5}{8}$	
$23\frac{3}{25}$	

11. Change the following fractions to decimal numbers using a dot or bar to indicate the repeating digits.

(a) $\frac{8}{9}$ (b) $\frac{6}{7}$