

Worksheet 1

number and numbering system.

1. List the set or sets to which the number belongs.

a) $\frac{95}{5}$ = rational number ✓

b) -466 = negative integer number ✓

c) π = irrational number ✓

d) $\sqrt{9}$ = irrational number. ✗

terminating.
 $\sqrt{9} = 3$ Rational

2. convert improper fraction to mixed numbers.

a) $\frac{73}{9} = 8 \frac{1}{9}$ ✓

c) $\frac{11}{4} = 2 \frac{3}{4}$ ✓

b) $\frac{91}{10} = 9 \frac{1}{10}$ ✓

d) $\frac{25}{4} = 6 \frac{1}{4}$ ✓

3. convert the mixed numbers to improper fraction.

a) $2 \frac{2}{3} = \frac{8}{3}$ ✓

c) $4 \frac{3}{10} = \frac{43}{10}$ ✓

b) $8 \frac{4}{7} = \frac{60}{7}$ ✓

d) $7 \frac{1}{3} = \frac{22}{3}$ ✓

4. write the following in standard form.

a) $3,2006 = 3.2006 \times 10^{-4}$ ✗

c) $2,300 = 2.3 \times 10^{-3}$ ✗

b) $45,5 = 4.55 \times 10^{-1}$ ✗

d) $17,7500 = 1.775 \times 10^{-5}$ ✗

5. write the following in standard form.

a) $0.02 = 2 \times 10^{-2}$ ✗

c) $0.000656 = 6.56 \times 10^{-4}$ ✗

b) $0.00054287 = 5.4287 \times 10^{-4}$ ✗

d) $0.000000089 = 8.9 \times 10^{-8}$ ✗

NO. :

Date :

6. complete the following table.

	percent	Fraction	Decimal
a	48%	$\frac{48}{100} = \frac{12}{25}$	0.48
b	66.67%	$\frac{8}{12} = \frac{2}{3}$	0.67
c	7.2%	$\frac{72}{1000} = \frac{36}{500} = \frac{9}{125}$	0.072
d	125%	$1\frac{1}{4} = \frac{5}{4}$	1.25

checked.

(8/11/19)