

Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Decimal Place Value WORKSHEET

1) Write each numbers in expanded form.

a)  $673.12 =$  \_\_\_\_\_

b)  $866.81 =$  \_\_\_\_\_

c)  $244.37 =$  \_\_\_\_\_

d)  $130.78 =$  \_\_\_\_\_

e)  $145.69 =$  \_\_\_\_\_

f)  $429.67 =$  \_\_\_\_\_

2) Write each numbers in standard form.

a) \_\_\_\_\_  $= (7 \times 1000) + (2 \times 100) + (5 \times 10) + (3 \times 1) + (9 \times 0.1) + (7 \times 0.01)$

b) \_\_\_\_\_  $= (4 \times 1000) + (0 \times 100) + (0 \times 10) + (1 \times 1) + (3 \times 0.1) + (9 \times 0.01)$

c) \_\_\_\_\_  $= (5 \times 100) + (1 \times 10) + (3 \times 1) + (2 \times 0.1) + (0 \times 0.01) + (1 \times 0.001)$

d) \_\_\_\_\_  $= (3 \times 1000) + (9 \times 100) + (7 \times 10) + (8 \times 1) + (7 \times 0.1) + (7 \times 0.01)$

3) Find the missing numbers.

a)  $0.3 + 0.008 =$  \_\_\_\_\_

b)  $4 + 0.067 +$  \_\_\_\_\_  $= 4.167$

c) \_\_\_\_\_  $+ 8 + 0.8 = 8.87$

d) \_\_\_\_\_  $= 5 + 0.007$

e)  $9.327 =$  \_\_\_\_\_  $+ 9 + 0.007$

f)  $8.392 = 8.002 +$  \_\_\_\_\_

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## Answers

a)  $673.12 = 600 + 70 + 3 + 0.1 + 0.2$

b)  $866.81 = 800 + 60 + 6 + 0.8 + 0.01$

c)  $244.37 = 200 + 40 + 4 + 0.3 + 0.07$

d)  $130.78 = 100 + 30 + 0.7 + 0.08$

e)  $145.69 = 100 + 40 + 5 + 0.6 + 0.09$

f)  $429.67 = 400 + 20 + 9 + 0.6 + 0.07$

a) 7253.97 =  $(7 \times 1000) + (2 \times 100) + (5 \times 10) + (3 \times 1) + (9 \times 0.1) + (7 \times 0.01)$

b) 4001.39 =  $(4 \times 1000) + (0 \times 100) + (0 \times 10) + (1 \times 1) + (3 \times 0.1) + (9 \times 0.01)$

c) 513.201 =  $(5 \times 100) + (1 \times 10) + (3 \times 1) + (2 \times 0.1) + (0 \times 0.01) + (1 \times 0.001)$

d) 3978.77 =  $(3 \times 1000) + (9 \times 100) + (7 \times 10) + (8 \times 1) + (7 \times 0.1) + (7 \times 0.01)$

a)  $0.3 + 0.008 = \underline{0.308}$

b)  $4 + 0.067 + \underline{0.1} = 4.167$

c)  $\underline{0.07} + 8 + 0.8 = 8.87$

d)  $\underline{5.007} = 5 + 0.007$

e)  $9.327 = \underline{0.32} + 9 + 0.007$

f)  $8.392 = 8.002 + \underline{0.39}$