

Apprenticeship Math 12

ASSIGNMENT: Place Value and Rounding

Name: _____

Date: _____

1. Round to the nearest tenth:

a) 12.642 _____

b) 3.44 _____

c) 29.10 _____

d) 5.239 _____

e) 2.492 _____

f) 89.43 _____

g) 8947 _____

h) 55.96 _____

2. Round to the nearest hundredth:

a) 23.987 _____

b) 44.043 _____

c) 3.7096 _____

d) 999.474 _____

e) 4.449 _____

f) 7.44430 _____

g) 499.987 _____

h) 755.300 _____

3. Round to the nearest thousandth:

a) 0.99989 _____

b) 66.514 _____

c) 0.2673 _____

d) 0.2297 _____

e) 0.3265 _____

f) 3.2753 _____

4. Round to the nearest ten:

a) 8947 _____

b) 5496 _____

c) 43.978 _____

d) 6.22 _____

5. Round to the nearest hundred:

a) 8947 _____

b) 5496 _____

c) 499.987 _____

d) 755.3 _____

6. Round to the nearest thousand:

- e) 8947 _____ f) 5496 _____
g) 21 499.98 _____ h) 3755.3 _____

7. Circle the larger number in each row, then complete the middle column using < (less than) or > (greater than). The first two are done as examples.

29	>	24.5
0.2	<	0.29
129.63		129.3
48.961		48.909
8.813		8.831
0.0135		0.0203
0.413		0.399
28.381		28.4
178.62		178.602

8. For each race, which person had the faster time?

- a) Eddie 21.2 s, Freddie 20.5 s _____
b) Eric 47.6 s, Derek 44.9 s _____
c) Monika 22.7 s, Veronica 19.9 s _____
d) Sammy 12.59 s, Tammy 12.4 s _____

9. Arrange each set of numbers from least (smallest) to greatest (largest).

a) 0.1, 1.0, 11.0, 1.01, 1.11, 1.011

b) 0.22, 22.2, 0.232, 2.22, 22.0, 2.2

c) 45.6, 56.4, 0.465, 5.064, 6.54

d) 12.2., 12.01, 12.23, 12.1, 12.0196, 12.11

10. Decimal numbers are used to compare the magnitude of various stars. Round off the magnitudes to the nearest value indicated.

Andromedae	2.0 <u>6</u> 5	
Pegasi	2.3 <u>8</u> 9	
Tauri	<u>1</u> .652	
Canis Majoris	1.9 <u>6</u> 5	
Puppis	2.2 <u>3</u> 3	
Canis Minoris	0. <u>3</u> 78	
Velorum	2.2 <u>4</u> 0	
Ursae Majoris	2. <u>3</u> 71	