Routine Number Practice #3

1. What is the highest common factor of 17 and 20? ……

2. What is the lowest common multiple of 12 and 16? ……

3. Is 57 a prime number? ……

4. List the prime factors of 90: ……

Round the following to 2 decimal places:

5. 0.50499 ……

6. 46.899 ……

7. 43.546 ……

8. 2.35^2 ……

Round the following to 3 significant figures:

9. 4,801,000 ……

10. 10.560 ……

11. 0.00005114 ……

12. $\sqrt{450000}$ ……

Put in the correct sign out of: >, < or = in the space.

13. $\frac{3}{40}$ $\frac{3}{39}$

14. $^-8$ $^-9$

Write in Standard Form:

15. 300.5 ……

16. 0.0409 ……

Convert from Standard Form:

17. 3×10^{12} ……

18. 1.5×10^{-3} ……

Calculate as a decimal:

19. $\frac{5^2}{10}$ ……

20. $\sqrt{169} + 3 + \sqrt{0.01}$ ……

Answers: Routine Number Practice #3

1. What is the highest common factor of 17 and 20? **1**

2. What is the lowest common multiple of 12 and 16? **48**

3. Is 57 a prime number? **no** (57 = 3 × 19)

4. List the prime factors of 90: **2, 3, 3 and 5** (because 2 × 3 × 3 × 5 = 90)

Round the following to 2 decimal places:

5. 0.50499 = **0.50**

6. 46.899 = **46.90**

7. 43.546 = **43.55**

8. 2.35^2 = 5.5225 = **5.52**

Round the following to 3 significant figures:

9. 4,801,000 = **4,800,000**

10. 10.560 = **10.6**

11. 0.00005114 = **0.0000511**

12. $\sqrt{450000}$ = 670.82 … = **671**

Put in the correct sign out of: >, < or = in the space.

13. $\frac{3}{40}$ **<** $\frac{3}{39}$

14. $^{-}8$ **>** $^{-}9$

Write in Standard Form:

15. 300.5 = **3.005×10^2**

16. 0.0409 = **4.09×10^{-2}**

Convert from Standard Form:

17. 3×10^{12} = **3,000,000,000,000**

18. 1.5×10^{-3} = **0.0015**

Calculate as a decimal:

19. $\frac{5^2}{10}$ = **2.5**

20. $\sqrt{169} + 3 + \sqrt{0.01}$ = **16.1**