Basic Number Practice #2

1.   Circle the numbers listed that are multiples of 3:   10 11 12 13 14 15 16 17

2.   What is the lowest common multiple of 6 and 5? ……………………………………

3.   Circle the numbers listed that are factors of 30:   10 11 12 13 14 15 16 17

4.   What is the highest common factor of 12 and 10? ……………………………………

5.   List the prime factors of 16: ………………………………………………………………………

6.   Write 1.2 as a fraction (whole numbers top and bottom): ……………………………………

7.   Write 0.013 as a fraction (whole numbers top and bottom): ……………………………………

8.   Write 2 + (3 ÷ 100) + (4 ÷ 1000) as a decimal: ……………………………………

9.   Complete the following: 345.6 = (3 × ……) + (4 × ……) + (5 × ……) + (6 × ……)

        Round the following to 2 decimal places:

10.   4.501 ……………………………………

11.   6.006 ……………………………………

12.   13.979 ……………………………………

        Put in order from smallest to largest: .

13.   3.1, 3.07, 3.2

14. $5\,^5/_8$, 5.6, 5.4

15.   ⁻2.6, ⁻3, ⁻2.9

        Calculate and write as a decimal:

16. $\dfrac{2+1}{5}$ =   ……………………………………

17. $\dfrac{5}{8-4}$ =   ……………………………………

        Put brackets into the equations so that they become true:

18.   3 + 4 × 2 = 14

19.   10 − 4 × 5 + 12 = 2

20.   3 + 1^2 = 16

Answers: Basic Number Practice #2

1. Circle the numbers listed that are multiples of 3:   10 11 (**12**) 13 14 (**15**) 16 17

2. What is the lowest common multiple of 6 and 5? **30**

3. Circle the numbers listed that are factors of 30:   (**10**) 11 12 13 14 (**15**) 16 17

4. What is the highest common factor of 12 and 10? **2**

5. List the prime factors of 16: **2, 2, 2 and 2**   (because 2 × 2 × 2 × 2 = 16)

6. Write 1.2 as a fraction (whole numbers top and bottom): $\frac{\mathbf{12}}{\mathbf{10}}$ or simplified to $\frac{6}{5}$

7. Write 0.13 as a fraction (whole numbers top and bottom): $\frac{\mathbf{13}}{\mathbf{1000}}$

8. Write 2 + (3 ÷ 100) + (4 ÷ 1000) as a decimal: **2.034**

9. 345.6 = (3 × **100**) + (4 × **10**) + (5 × **1**) + (6 × $\frac{\mathbf{1}}{\mathbf{10}}$)

10. 4.501 → **4.50**   (must have the last zero)

11. 6.006 → **6.01**

12. 13.979 → **13.98**

13. **3.07 < 3.1 < 3.2**   (numbers are, to same decimal places, 3.07 < 3.10 < 3.20)

14. **5.4 < 5.6 < 5 $^5/_8$**   (numbers are, in decimal form: 5.400 < 5.600 < 5.625)

15. **⁻3 < ⁻2.9 < ⁻2.6**   (negatives are in reverse order and 2.6 < 2.9 < 3.0)

16. $\frac{2+1}{5}$ = **0.6**   ($\frac{3}{5}$ using BEDMAS, as lines of fractions count as if bracketed)

17. $\frac{5}{8-4}$ = **1.25**   ($\frac{5}{4}$ using BEDMAS, as lines of fractions count as if bracketed)

18. **(**3 + 4 **) ** × 2 = 14

19. 10 − **(**4 × 5 **) ** + 12 = 2

20. **(**3 + 1 **)**^{2} = 16