Basic Number Practice #4

1.   Circle the numbers listed that are multiples of 4:   1   2   3   4   5   6   7   8

2.   What is the lowest common multiple of 3 and 5? ………………………………………

3.   Circle the numbers listed that are factors of 20:   1   2   3   4   5   6   7   8

4.   What is the highest common factor of 15 and 20? ………………………………………

5.   List the prime factors of 15: ……………………………………………………………………

6.   Write 0.3 as a fraction (whole numbers top and bottom): …………………………………………

7.   Write 2.17 as a fraction (whole numbers top and bottom): …………………………………………

8.   Write 6 + (5 ÷ 10) + (4 ÷ 1000) as a decimal: ………………………………………

9.   Complete the following: 75.06 = (7 × ……) + (5 × ……) + (6 × ……)

Round the following to 2 decimal places:

10.   0.00777 ………………………………………

11.   1.999 ………………………………………

12.   22.88 ………………………………………

Put in order from smallest to largest:.

13.   0.1, 0.04, 0.21

14. $^3/_8$, $^2/_5$, $^1/_3$

15.   ⁻0.6, ⁻0.3, ⁻0.42

Calculate and write as a decimal:

16. $\dfrac{2 + 8}{4^2}$ = ………………………………………

17. $\dfrac{6 + 2}{8 - 3}$ = ………………………………………

Put brackets into the equations so that they become true:

18.   3 × 2 − 1 = 3

19.   10 + 3 + 7 ÷ 5 = 4

20.   2 × 2 + 2^2 = 32

Answers: Basic Number Practice #4

1. Circle the numbers listed that are multiples of 4:   1   2   3   **(4)**   5   6   7   **(8)**

2. What is the lowest common multiple of 3 and 5? **15**

3. Circle the numbers listed that are factors of 20:   **(1)(2)**   3   **(4)(5)**   6   7   8

4. What is the highest common factor of 15 and 20? **5**

5. List the prime factors of 15: **3, 5**   (because 3 × 5 = 15)

6. Write 0.3 as a fraction (whole numbers top and bottom) $\frac{3}{10}$

7. Write 2.17 as a fraction (whole numbers top and bottom) $\frac{217}{100}$

8. Write 6 + (5 ÷ 10) + (4 ÷ 1000) as a decimal: **6.504**

9. Complete the following: 75.06 = (7 × **10**) + (5 × **1**) + (6 × $\frac{1}{100}$)

10. 0.00777 → **0.01**

11. 1.999 → **2.00**   (must have the last two zeros)

12. 22.88 → **22.88**

13. **0.04 < 0.1 < 0.21**   (to same number decimal places 0.04 < 0.10 < 0.21)

14. **¹/₃ < ³/₈ < ²/₅**   (as decimals 0.333 < 0.375 < 0.400)

15. ⁻**0.6 < ⁻0.42 < ⁻0.3**   (negatives are in reverse order and 0.60 > 0.42 > 0.30)

16. $\frac{2+8}{4^2}$ = **0.625**   ($\frac{10}{16}$ using BEDMAS, as lines on a fraction count as bracketed)

17. $\frac{6+2}{8-3}$ = **1.6**   ($\frac{8}{5}$ using BEDMAS, as lines on a fraction count as bracketed)

18. 3 × **(2 − 1)** = 3

19. **(10 + 3 + 7)** ÷ 5 = 4

20. 2 × **(2 + 2)**² = 32