

Basic Number Practice #3

1. List **all** the factors of 20:
2. List **four** multiples of 20:
3. What is the highest common factor of 18 and 15?
4. What is the lowest common multiple of 6 and 4?
5. What is the highest common factor of 10 and 20?
6. What is the lowest common multiple of 15 and 30?
7. List the primes between 10 and 20:
8. List the prime factors of 20:

Round the following to 2 decimal places:

9. 0.000366
10. 1.07049
11. 5.2988

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

12. $-3\frac{1}{2}$ -3
13. 6.009 6.01
14. 7.3 $\frac{29}{4}$

Calculate the value of:

15. $\sqrt{0.25} =$
16. $4\frac{1}{2}^2 =$
17. $3^3 =$
18. $4 \times 2 - 3 + 5 =$
19. $9 \div 3 + 6 =$
20. $\frac{9 + 6}{3} =$

Answers: Basic Number Practice #3

- List **all** the factors of 20: **1, 2, 4, 5, 10, 20**
- List **four** multiples of 20: **20, 40, 60, 80, etc**
- What is the highest common factor of 18 and 15? **3**
- What is the lowest common multiple of 6 and 4? **12**
- What is the highest common factor of 10 and 20? **10**
- What is the lowest common multiple of 15 and 30? **30**
- List the primes between 10 and 20: **11, 13, 17, 19** ($15 = 3 \times 5$)
- List the prime factors of 20: **2, 2, 5** (because $2 \times 2 \times 5 = 20$)
- $0.000366 \rightarrow$ **0.00** (must have all the zeros)
- $1.07049 \rightarrow$ **1.07**
- $5.2988 \rightarrow$ **5.30**
- $-3\frac{1}{2} < -3$ (bigger number is more negative)
- $6.009 < 6.01$ ($6.009 < 6.010$)
- $7.3 > \frac{29}{4}$ ($7.3 > 7.25$)
- $\sqrt{0.25} =$ **0.5**
- $4\frac{1}{2}^2 =$ **20.25** ($= \frac{81}{4}$) ($4\frac{1}{2}^2 = 4.5 \times 4.5$)
- $3^3 =$ **27** ($3^3 = 3 \times 3 \times 3$)
- $4 \times 2 - 3 + 5 =$ **10** ($4 \times 2 - 3 + 5 = 8 - 3 + 5$ using BEDMAS)
- $9 \div 3 + 6 =$ **9** ($9 \div 3 + 6 = 3 + 6$ using BEDMAS)
- $\frac{9+6}{3} =$ **5** (using BEDMAS, as lines of fractions count as if bracketed)