

## Basic Number Practice #5

1. List **all** the factors of 18: .....
2. List **four** multiples of 5: .....
3. What is the highest common factor of 18 and 12? .....
4. What is the lowest common multiple of 3 and 7? .....
5. What is the highest common factor of 10 and 12? .....
6. What is the lowest common multiple of 15 and 25? .....
7. List the primes between 30 and 40: .....
8. List the prime factors of 50: .....

Round the following to 3 decimal places:

9. 0.00366 .....
10. 1.07049 .....
11. 5.2988 .....

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

12.  $6 \frac{5}{6}$       6.85
13.  $-6$        $-7$
14. 3.6      3.27

Calculate the value of:

15.  $\sqrt{0.04} =$  .....
16.  $4.1^2 =$  .....
17.  $2^6 =$  .....
18.  $(2 - 5)^2 =$  .....
19.  $2 \times 3 + 4 \times 5 =$  .....
20.  $\frac{3^2}{2+7} =$  .....

## Answers: Basic Number Practice #5

- List **all** the factors of 18: **1, 2, 3, 6, 9, 18**
- List **four** multiples of 5: **5, 10, 15, 20 etc**
- What is the highest common factor of 18 and 12? **6**
- What is the lowest common multiple of 3 and 7? **21**
- What is the highest common factor of 10 and 12? **2**
- What is the lowest common multiple of 15 and 25? **75**
- List the primes between 30 and 40: **31, 37**      ( $33 = 3 \times 11$ ,  $39 = 3 \times 13$ )
- List the prime factors of 50: **2, 5, 5**      (because  $2 \times 5 \times 5 = 50$ )
- $0.00366 \rightarrow$  **0.004**
- $1.07049 \rightarrow$  **1.070**
- $5.2988 \rightarrow$  **5.299**
- $6 \frac{5}{6} <$   $6.85$       (because  $6 \frac{5}{6} = 6.8333$ )
- $-6 >$   $-7$       (bigger number is more negative)
- $3.6 >$   $3.27$       ( $3.60 > 3.27$ )
- $\sqrt{0.04} =$  **0.2**
- $4.1^2 =$  **16.81**      ( $4.1^2 = 4.1 \times 4.1$ )
- $2^6 =$  **64**      ( $2^6 = 2 \times 2 \times 2 \times 2 \times 2 \times 2$ )
- $(2 - 5)^2 =$  **9**      ( $-3 \times -3 = 9$ )
- $2 \times 3 + 4 \times 5 =$  **26**      ( $2 \times 3 + 4 \times 5 = 6 + 20 = 26$  using BEDMAS)
- $\frac{3^2}{2+7} =$  **1**      ( $\frac{3^2}{2+7} = 9 \div 9$  using BEDMAS)