

Basic Number Practice #1

1. List **all** the factors of 21:
2. List **four** multiples of 8:
3. What is the highest common factor of 15 and 10?
4. What is the lowest common multiple of 4 and 5?
5. What is the highest common factor of 13 and 8?
6. What is the lowest common multiple of 6 and 9?
7. List the primes between 20 and 30:
8. List the prime factors of 36:
9. Write 1.3 out of 8.8 as a fraction in **integer** terms

Round the following to 2 decimal places:

10. 4.5666
11. 4.007
12. 15.999

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

13. $5 \frac{3}{5}$ 5.7
14. -3.6 -3.7

Calculate the value of:

15. $\sqrt{8100} =$
16. $\sqrt{8-4} =$
17. $51^2 =$
18. $12.5^3 =$
19. $\frac{3+6}{18} =$
20. $\frac{5}{2+8} =$

Answers: Basic Number Practice #1

- List **all** the factors of 21: **1, 3, 7 and 21**
- List **four** multiples of 8: **8, 16, 24, 32, 40 etc**
- What is the highest common factor of 15 and 10? **5**
- What is the lowest common multiple of 4 and 5? **20**
- What is the highest common factor of 13 and 8? **1**
- What is the lowest common multiple of 6 and 9? **18**
- List the primes between 20 and 30: **23 and 29**
- List the prime factors of 36: **2, 2, 3 and 3** (because $2 \times 2 \times 3 \times 3 = 36$)
- Write 1.3 out of 8.8 as a fraction in **integer** terms: $1.3/8.8 = \frac{13}{88}$ (top and bottom $\times 10$)
- $4.5666 \rightarrow 4.57$
- $4.007 \rightarrow 4.01$
- $15.999 \rightarrow 16.00$
- $5 \frac{3}{5} < 5.7$ ($5 \frac{3}{5} = 5.6$)
- $-3.6 > -3.7$ (bigger number is more negative)
- $\sqrt{8100} = 90$
- $\sqrt{8-4} = 2$ (using BEDMAS, inside square root sign count as if bracketed)
- $51^2 = 2601$
- $12.5^3 = 1953.125$ ($12.5^3 = 12.5 \times 12.5 \times 12.5$)
- $\frac{3+6}{18} = 0.5$ or $\frac{1}{2}$ ($\frac{9}{18}$ using BEDMAS, as lines of fractions count as if bracketed)
- $\frac{5}{2+8} = 0.5$ or $\frac{1}{2}$ ($\frac{5}{10}$ using BEDMAS, as lines of fractions count as if bracketed)