**How to do long multiplication (up to x by 99)**

**Long multiplication is a special method for multiplying larger numbers.**

**Children need to learn these basic rules:**

1. **Multiply by the units (ones)**
2. **Multiply by the tens :**

**(i) put a zero in the units(ones) column**

 **(ii) now multiply by the ten e.g. 2, 5 etc**

1. **Finally add the two answers together**

**For example: 612 x 24**

1. **Times 612 by 4 (612 x 4 = 2448)**
2. **Put a ‘0’ in the units column**
3. **Multiply 612 by the tens i.e. 2 (612 x 20 = 12240)**
4. **Now add the two answers together (2448+12240)**
5. **Answer = 14688**