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|  | **Mitosis** | **Meiosis** |
| **Number of cell divisions that take place** | **1** | **2** |
| **Number of daughter cells produced** | **2** | **4** |
| **Number of chromosomes in daughter cells (for any organism)** | **same as parent cell** | **½ the number as parent cell** |
| **Number of chromosomes in daughter cells in humans** | **46** | **23** |
| **Occurs in this type of cells** | **body cells** | **sex cells(sperm and egg)** |
| **Purpose of this type of cell division** | **repair and growth** | **reproduction** |