

# OFFBEAT EIGHTH NOTE FATBACK PERMUTATIONS

Here we are going to shift our bass drum through the **grid** (the degrees of the bar). Starting on the downbeat, moving to the 'e', then to the '&', to the 'a' and so on. We will do this with groupings of 1 - 4 bass drums and with an **offbeat eighth note** hi-hat ostinato.

## Single Bass Drum Permutation

Four staves of musical notation for single bass drum permutations. Each staff consists of five horizontal lines representing a staff. The first staff starts with a bass drum note on the first line (downbeat), followed by eighth notes on the second and third lines. The second staff starts with a bass drum note on the second line ('e'), followed by eighth notes on the first and third lines. The third staff starts with a bass drum note on the third line ('&'), followed by eighth notes on the first and second lines. The fourth staff starts with a bass drum note on the fourth line ('a'), followed by eighth notes on the first and second lines. Measures are separated by vertical bar lines.

## Double Bass Drum Permutation

Four staves of musical notation for double bass drum permutations. Each staff consists of five horizontal lines representing a staff. The first staff starts with a bass drum note on the first line (downbeat), followed by eighth notes on the second and third lines. The second staff starts with a bass drum note on the second line ('e'), followed by eighth notes on the first and third lines. The third staff starts with a bass drum note on the third line ('&'), followed by eighth notes on the first and second lines. The fourth staff starts with a bass drum note on the fourth line ('a'), followed by eighth notes on the first and second lines. Measures are separated by vertical bar lines.

**Triple Bass Drum Permutation**

The image shows four identical staves of musical notation for a triple bass drum. Each staff consists of five horizontal lines. The notation uses vertical stems with small 'x' or 'y' symbols at their ends to indicate the direction of each stroke. The strokes are grouped into measures by vertical bar lines. The first measure contains six strokes. The second measure contains six strokes. The third measure contains six strokes. The fourth measure contains six strokes.

**Quadruple Bass Drum Permutation**

The image shows four identical staves of musical notation for a quadruple bass drum. Each staff consists of five horizontal lines. The notation uses vertical stems with small 'x' or 'y' symbols at their ends to indicate the direction of each stroke. The strokes are grouped into measures by vertical bar lines. The first measure contains eight strokes. The second measure contains eight strokes. The third measure contains eight strokes. The fourth measure contains eight strokes.