The Beatles use a minor mediant chord (iii) 282 times in 46 songs:

## [4] 'Ask Me Why'

iii: 13 approach: ii x9, IV x4
progress: Ø x1, ii x6, IV x6

## [5] 'There's A Place'

iii: 2 approach: V x2
progress: IV x2
[7] 'Do You Want To Know A Secret'
iii: 15 approach: I x15
progress: biii x15
[12] 'She Loves You'
iii: 6 approach: vi x6
progress: V x6
[13e] 'Till There Was You'
iii: 5 approach: I x5 progress: biii x5
[19] 'Not A Second Time'
iii: 6 approach: ii x6
progress: $\mathrm{I} \times 3, \mathrm{~V}$ x 3
[23] 'Can't Buy Me Love'
iii: 8 approach: $\varnothing \mathrm{x} 1, \mathrm{I} \times 5$, vi x2
progress: vi x8
[24] 'You Can't Do That'
iii: 4 approach: ii x4
progress: $\mathrm{I} \times 2, \mathrm{~V}$ x2

## [28] 'If I Fell'

iii: 8 approach: ii x8 progress: biiio x 8
[29] 'I'm Happy Just To Dance With You'
iii: 8 approach: I x8
progress: ii x8
[31] 'A Hard Day's Night'
iii: 4 approach: I x2, vi x2
progress: I x2, vi x2
[32] 'I'll Cry Instead'
iii: 2 approach: I x2
progress: II x2
[33] 'I'll Be Back'
iii: 1 approach: ii x1 progress: vi x1
[34] 'Any Time At All'
iii: 4 approach: I x4 progress: vi x4

## [42] 'No Reply'

iii: 7 approach: IV x3, vi x4 progress: ii $x 1$, IV x6
[44] 'She's A Woman'
iii: 4 approach: I x2, VI x2
progress: IV x2, VI x2
[45] 'I Feel Fine'
iii: 4 approach: I x4 progress: ii x2, IV x2
[49] 'I Need You'
iii: 4 approach: vi x4 progress: vi x4
[50] 'Yes It Is'
iii: 2 approach: V x2 progress: Ø x2
[51] 'The Night Before'
iii: 2 approach: I x2 progress: $\varnothing \times 2$
[52] 'You Like Me Too Much'
iii: 6 approach: I x4, II x2 progress: II x2, V x4
[55] 'You're Going to Lose That Girl'
iii: 8 approach: I x8 progress: ii x8

## [56] 'Help!'

iii: 6 approach: I x6 progress: vi x6
[60] 'It's Only Love'
iii: 4 approach: I x4 progress: bVII x4
[69] 'Nowhere Man'
iii: 9 approach: I x3, IV x6 progress: IV x9
[76] 'Girl'
iii: 9 approach: I x9 progress: ii x 9
[78] 'Got To Get You Into My Life'
iii: 3 approach: bVII x3 progress: IV x3
[83] 'And Your Bird Can Sing'
iii: 2 approach: I x2 progress: I x2
[85] 'I'm Only Sleeping'
iii: 4 approach: ii x4 progress: ii x4
[91] 'Here There And Everywhere'
iii: 11 approach: I x1, ii x10
progress: bIII x1, IV x10
[96] 'A Day in the Life'
iii: 9 approach: I x9
progress: vi x9
[103] 'Lucy in the Sky With Diamonds'
iii: 2 approach: $Ø x 2$
progress: V x2
[104] 'Getting Better'
iii: 10 approach: ii x10
progress: IV x10
[112] 'You Know My Name (Look Up The Number)'
iii: 4 approach: I x4 progress: IV x4
[123] 'Across the Universe'
iii: 6 approach: vi x6
progress: ii x6

## [130] 'Good Night'

iii: 15 approach: I x9, ii x6 progress: ii x15
[135] 'Sexy Sadie'
iii: 11 approach: ii x4, VII x7
progress: IV x11
[136] 'While My Guitar Gently Weeps'
iii: 8 approach: I x4, vi x4
progress: ii x4, vi x4
[144] 'Glass Onion'
F MAJOR:
iii: 10 approach: $\varnothing$ x1, I x6, II x3
progress: I x7, ii x3

## [145] 'I Will'

iii: 6 approach: IV x3, vi x3
progress: I x3, vi x3

## [151] 'Martha My Dear'

iii: 4 approach: VII x4
progress: VI x4
[152] 'Long Long Long'
iii: 3 approach: IV x3 progress: ii x3
[156] 'Julia'
iii: 12 approach: I x2, vi x10 progress: $\mathrm{I} x 5, \mathrm{~V}$ x7
[161] 'Two of Us'
iii: 2 approach: I x2
progress: vi x 2
[165] 'The Long and Winding Road'
iii: 8 approach: IV x8
progress: vi x8
[181] 'Sun King'
iii: 1 approach: I x1
progress: I x1

Their approach and progress break down as follows:

## APPROACH:

## Ø: 4 instances (1.4\%) in 4 songs

- x1 [23] 'Can't Buy Me Love'
- x2 [103] 'Lucy in the Sky With Diamonds'
- x1 [144] 'Glass Onion' (F major)


## I: 123 instances ( $\mathbf{4 3 . 6 \%}$ ) in 26 songs

- x15 [7] 'Do You Want To Know A Secret'
- x5 [13e] 'Till There Was You'
- x5 [23] 'Can't Buy Me Love'
- x8 [29] 'I'm Happy Just To Dance With You'
- x2 [31] 'A Hard Day's Night'
- x2 [32] 'I'll Cry Instead'
- $x 4$ [34] 'Any Time At All'
- x2 [44] 'She's A Woman'
- x4 [45] 'I Feel Fine'
- x2 [51] 'The Night Before'
- x4 [52] 'You Like Me Too Much'
- x8 [55] 'You're Going to Lose That Girl'
- x6 [56] 'Help!'
- x4 [60] 'It's Only Love'
- x3 [69] 'Nowhere Man'
- x9 [76] 'Girl'
- x2 [83] 'And Your Bird Can Sing'
- x1 [91] 'Here There And Everywhere'
- x9 [96] 'A Day in the Life'
- x4 [112] 'You Know My Name (Look Up The Number)'
- x9 [130] 'Good Night'
- x4 [136] 'While My Guitar Gently Weeps'
- x6 [144] 'Glass Onion' (F major)
- x2 [156] 'Julia'
- x2 [161] 'Two of Us'
- x1 [181] 'Sun King'


## II: 5 instances ( $1.8 \%$ ) in 2 songs

- x2 [52] 'You Like Me Too Much'
- x3 [144] 'Glass Onion' (F major)


## ii: 62 instances ( $\mathbf{2 2 . 0 \%}$ ) in 10 songs

- x9 [4] 'Ask Me Why'
- x6 [19] 'Not A Second Time'
- x4 [24] 'You Can't Do That'
- x 8
- x 1
- x 4
- x10
- x10 [104] 'Getting Better
- x6 [130] 'Good Night'
- x4 [135] 'Sexy Sadie'


## IV: 27 instances (9.6\%) in 6 songs

- x4 [4] 'Ask Me Why'
- x3 [42] 'No Reply'
- x6 [69] 'Nowhere Man'
- x3 [145] 'I Will'
- x3 [152] 'Long Long Long'
- x8 [165] 'The Long and Winding Road'

V : 4 instances ( $1.4 \%$ ) in 2 songs

- x2 [5] 'There's A Place'
- x2 [50] 'Yes It Is'

VI: 2 instances ( $0.7 \%$ ) in 1 song

- x2 [44] 'She's A Woman'
vi: 41 instances (14.5\%) in 9 songs
- x6 [12] 'She Loves You'
- x2 [23] 'Can't Buy Me Love'
- x2 [31] 'A Hard Day's Night'
- x4 [42] 'No Reply'
- x4 [49] 'I Need You'
- x6 [123] 'Across the Universe'
- x4 [136] 'While My Guitar Gently Weeps'
- x3 [145] 'I Will'
- x10 [156] 'Julia'
bVII: 3 instances (1.1\%) in 1 song
- x3 [78] 'Got To Get You Into My Life'

VII: 11 instances ( $3.9 \%$ ) in 2 songs

- x7 [135] 'Sexy Sadie'
- x4 [151] 'Martha My Dear'

PROGRESS:
Ø: 5 instances (1.8\%) in 2 songs

- x1 [4] 'Ask Me Why'
- x2 [50] 'Yes It Is'
- x2 [51] 'The Night Before'


## I: 25 instances (8.9\%) in 8 songs

- x3 [19] 'Not A Second Time'
- x2 [24] 'You Can't Do That'
- x2 [31] 'A Hard Day's Night'
- x2 [83] 'And Your Bird Can Sing'
- x7 [144] 'Glass Onion' (F major)
- x3 [145] 'I Will'
- x5 [156] 'Julia'
- x1 [181] 'Sun King'


## II: 4 instances (1.4\%) in 2 songs

- x2 [32] 'I'll Cry Instead'
- x2 [52] 'You Like Me Too Much'


## ii: 69 instances (24.5\%) in 12 songs

- x6 [4] 'Ask Me Why'
- x8 [29] 'I'm Happy Just To Dance With You'
- x1 [42] 'No Reply'
- x2 [45] 'I Feel Fine'
- x8 [55] 'You're Going to Lose That Girl'
- x9 [76] 'Girl'
- x4 [85] 'I'm Only Sleeping'
- x6 [123] 'Across the Universe'
- x15 [130] 'Good Night'
- x4 [136] 'While My Guitar Gently Weeps'
- x3 [144] 'Glass Onion' (F major)
- x3 [152] 'Long Long Long'
bIII: 1 instance (0.4\%) in 1 song
- x1 [91] 'Here There And Everywhere'
biii: 20 instances ( $7.1 \%$ ) in 2 songs
- x15 [7] 'Do You Want To Know A Secret'
- x5 [13e] 'Till There Was You'
biii${ }^{\circ}: 8$ instances ( $2.8 \%$ ) in 1 songs
- x8 [28] 'If I Fell'

IV: 65 instances ( $23.0 \%$ ) in 11 songs

- x6 [4] 'Ask Me Why'
- x2 [5] 'There's A Place'
- x6
[42] 'No Reply'
- x2 [44] 'She's A Woman'
- x2 [45] 'I Feel Fine'
- x9 [69] 'Nowhere Man'
- x3 [78] 'Got To Get You Into My Life'
- x10 [91] 'Here There And Everywhere'
- x10 [104] 'Getting Better'
- x4 [112] 'You Know My Name (Look Up The Number)'
- x11 [135] 'Sexy Sadie'


## V : 24 instances ( $8.5 \%$ ) in 6 songs

- x6 [12] 'She Loves You'
- x3 [19] 'Not A Second Time'
- x2 [24] 'You Can't Do That'
- x4 [52] 'You Like Me Too Much'
- x2 [103] 'Lucy in the Sky With Diamonds'
- x7 [156] 'Julia'


## VI: 6 instances (2.1\%) in 2 songs

- x2 [44] 'She's A Woman'
- x4 [151] 'Martha My Dear'
vi: 51 instances ( $18.1 \%$ ) in 11 songs
- x8 [23] 'Can't Buy Me Love'
- x2 [31] 'A Hard Day's Night'
- x1 [33] 'I'll Be Back'
- x4 [34] 'Any Time At All'
- $x 4$ [49] 'I Need You'
- x6 [56] 'Help!'
- x9 [96] 'A Day in the Life'
- x4 [136] 'While My Guitar Gently Weeps'
- x3 [145] 'I Will'
- x2 [161] 'Two of Us'
- x8 [165] 'The Long and Winding Road'
bVII: 4 instances (1.4\%) in 1 song
- x4 [60] 'It's Only Love'

