



They're All Prime

by Dave Godfrey

PDF Ideas Pack

Contents:

Presentation Ideas
Music Score & Song Words

Please Note: This ideas pack is for the sole use
by the Number Fun Portal Login Owner.

© Number Fun Limited 2019

The contents of this pack have featured in previous Number Fun resources
and will be updated in due course.



Learning Objective Link - Prime Numbers to 100

Domain 1: Number and Place Value

Year 5: Establish whether a number up to 100 is prime and recall prime numbers up to 19
Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers

Year 6: Identify common factors, common multiples and prime numbers



Presentation and Prop Ideas

- This song helps children remember Prime Numbers to 100. Ideally, this song should be used in conjunction with Song 3 from this pack, 'Eratosthenes Sieve', which gives the children a strategy for working out the Prime Numbers to 100. Discuss the vocabulary within the song - what is a factor? What does 'distinct' mean? Why isn't 1 a Prime Number?
- Give out a set of prime number flashcards that feature the 25 primes under 100. Challenge the children to order themselves in a circle around the room. Play the song and encourage the children to hold up their flashcard when their Prime is mentioned. Encourage all the children to dance with their primes during the chorus!
- Give the children a hundred square, and encourage them to circle all the Prime Numbers as they are mentioned in the song. The children can dance with their hundred squares during the chorus!



Adaptations and Extensions

- Challenge the children to sing the verses back to you without the CD track or any visual clues. Memory songs, like this one, are a powerful tool for helping children to remember key facts!
- Challenge the children to compose an alternative version of the song that features the prime numbers from 101 to 199! Note: in the version below, the digit 0 is read as 'oh' rather than 'zero', and the digits are read out individually rather than the whole numbers, e.g. 127 is read as 'one-two-seven'!

Verse 1: 101, 103, 107, 109, and number 113!
 127, 131, 137, 139, and number 149!

Verse 2: 151, 157, 163, 167, and number 173!
 179, 181, 191, 193, and number 197!

Verse 3: So far in this rhyme, we've sung ever prime, from 101 to number 197,
 The next three-digit prime, is number 199, and it doesn't rhyme with 7!

- Use the Backing Track version of the song to celebrate these prime numbers instead!



Actions

This song is a dance track. Challenge the children to create their own set of dance moves to the chorus of the song, and extend the mathematics into P.E. and dance!



Links

For other Number Fun songs which tackle Prime Numbers, check out:

Song 16: Eratosthenes Sieve
 Song 8: Prime Number TV

(Prime Numbers to 100)

Capo 1 (G)

Ab(G) D♭(C) Fm(Em) E♭(D) D♭(C) Fm(Em) E♭(D)



2, 3, 5, 7, they're all prime! So's 11, 13, number 17,

Fm(Em) D♭(C) Ab(G) E♭(D) D♭(C) E♭(D) Ab(G)



19, 23, 29, and 31, and, number 37! They're all prime,

E♭/G (D/F#) Fm(Em) D♭(C) Fm(Em)



dance in time, For numbers with two distinct factors, They're all prime,

E♭(D) D♭(C) E♭(D) Ab(G)



dance in time, Themselves and 1 are their factors!

© 2014 Dave Godfrey, Number Fun Limited



2, 3, 5, 7, they're all prime!
So's 11, 13, number 17,
19, 23, 29, 31, and number 37!

They're all prime, dance in time,
For numbers with two distinct factors,
They're all prime, dance in time,
Themselves and 1 are their factors!

41, 43, 47, 53, 59, number 61,
67, 71, 73, 79, 83, number 89.

So far in this rhyme, we've sung every prime,
24, from 2 to 89.

The only two-digit prime, left before 99, is, number 97!