

# Music and Math are Inseparable

By Ken Dahlin, December 1993

The musical score is arranged in a grand staff format with the following instruments and parts:

- Flute (2 staves)
- Clarinet in Bb (2 staves)
- Alto Saxophone (2 staves)
- Tenor Saxophone (2 staves)
- Baritone Saxophone (1 staff)
- Trumpet in Bb (1 staff)
- Horn in F (2 staves)
- Trombone (2 staves)
- Tuba (1 staff)
- Bells (1 staff)
- Snare Drum (1 staff)
- Bass Drum (1 staff)

The score is in 4/4 time and features a key signature of two flats (Bb and Eb). The melody for the lyrics "Mu - sic and" is primarily carried by the woodwinds and brass. A specific instruction "Harmony above 2nd sax melody" is noted for the second Alto Saxophone part. The drum part consists of a repeated four-measure pattern.

Note that the drum part is a repeated four measure pattern. Copyright © 1994  
At first, the part should be practiced slowly in 4/4 time.

Music and Math are Inseparable

An easy trill - have fun!

6

Fl. math are in - sep - ara - ble. Notes are di - rived as frac-tions of the

Fl. math are in - sep - ara - ble. Notes are di - rived as frac-tions of the

Cl. math are in - sep - ara - ble. Notes are di - rived as frac-tions of the

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Alto Sax. math are in - sep - ara - ble. Notes are di - rived as frac-tions of the

Alto Sax. math are in - sep - ara - ble. Notes are di - rived as frac-tions of the

Ten. Sax. math are in - sep - ara - ble. Notes are di - rived as frac-tions of the

Ten. Sax. math are in - sep - ara - ble. Notes are di - rived as frac-tions of the

Bari. Sax. math are in - sep - ara - ble. Notes are di - rived as frac-tions of the

Tpt. math are in - sep - ara - ble. Notes are di - rived as frac-tions of the

Hn. math are in - sep - ara - ble. Notes are di - rived as frac-tions of the

Hn. math are in - sep - ara - ble. Notes are di - rived as frac-tions of the

Tbn. math are in - sep - ara - ble. Notes are di - rived as frac-tions of the

Tbn. math are in - sep - ara - ble. Notes are di - rived as frac-tions of the

Tba. math are in - sep - ara - ble. Notes are di - rived as frac-tions of the

Bells. math are in - sep - ara - ble. Notes are di - rived as frac-tions of the

S. D. math are in - sep - ara - ble. Notes are di - rived as frac-tions of the

B. D. math are in - sep - ara - ble. Notes are di - rived as frac-tions of the

Detailed description: This is a page of a musical score for the piece 'Music and Math are Inseparable'. The score is arranged for a large ensemble, including woodwinds, brass, and percussion. The lyrics are: 'math are in - sep - ara - ble. Notes are di - rived as frac-tions of the'. The score includes a key signature of one flat (Bb) and a common time signature (C). It features a variety of musical notations such as trills, slurs, and dynamic markings. A large, semi-transparent watermark is visible across the center of the page.

12

Fl. whole. In the de - men - sion of time and

Fl. whole. In the de - men - sion of time and

Cl. whole. In the de - men - sion of time and

Cl. whole. In the de - men - sion of time and

Alto Sax. whole. In the de - men - sion of time and

Alto Sax. whole. In the de - men - sion of time and

Ten. Sax. whole. In the de - men - sion of time and

Ten. Sax. whole. In the de - men - sion of time and

Bari. Sax. whole. In the de - men - sion of time and

Tpt. whole. In the de - men - sion of time and

Hn. whole. In the de - men - sion of time and

Hn. whole. In the de - men - sion of time and

Tbn. whole. In the de - men - sion of time and

Tbn. whole. In the de - men - sion of time and

Tba. whole. In the de - men - sion of time and

Bells. whole. In the de - men - sion of time and

S. D. whole. In the de - men - sion of time and

B. D. whole. In the de - men - sion of time and

Music and Math are Inseparable

16

Fl. space, we count our mu - sic keep-ing per - fect pace!

Cl. space, we count our mu - sic keep-ing per - fect pace!

Alto Sax. space, we count our mu - sic keep-ing per - fect pace!

Ten. Sax. space, we count our mu - sic keep-ing per - fect pace!

Bari. Sax.

Tpt. space, we count our mu - sic keep-ing per - fect pace!

Hn. space, we count our mu - sic keep-ing per - fect pace!

Tbn. space, we count our mu - sic keep-ing per - fect pace!

Tba.

Bells. space, we count our mu - sic keep-ing per - fect pace!

S. D.

B. D.

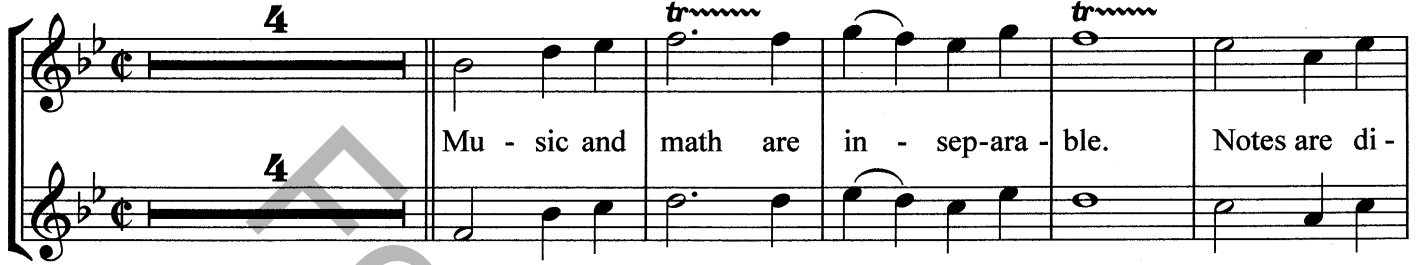
Detailed description: This is a page of a musical score for a band. It features 16 staves of music. The top two staves are for Flutes (Fl.), the next two for Clarinets (Cl.), followed by two for Alto Saxophones (Alto Sax.), two for Tenor Saxophones (Ten. Sax.), one for Bari. Saxophone (Bari. Sax.), one for Trumpet (Tpt.), two for Horns (Hn.), two for Trombones (Tbn.), one for Tuba (Tba.), one for Bells, one for Snare Drum (S. D.), and one for Bass Drum (B. D.). The lyrics 'space, we count our mu - sic keep-ing per - fect pace!' are written below the first six staves. The music is in 4/4 time and features a variety of rhythmic patterns, including eighth and sixteenth notes, and rests. There are also some trills indicated by a wavy line above the first notes of the Flute and Clarinet parts.

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An easy trill - have fun!

4



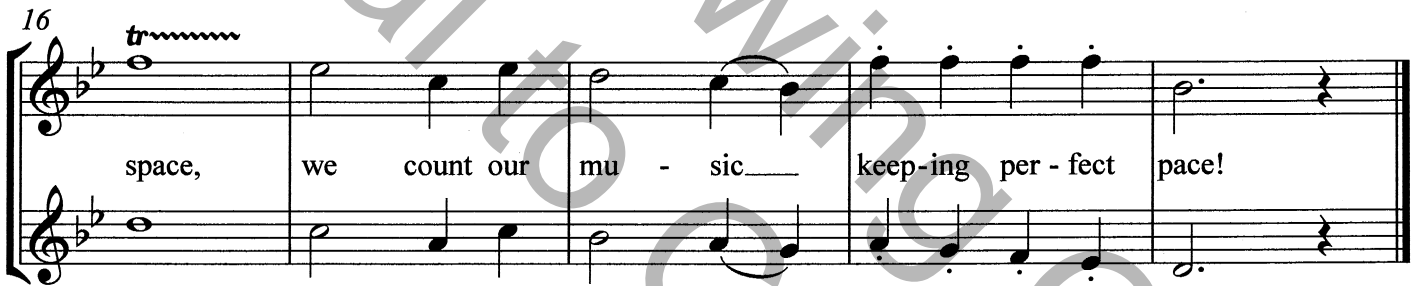
Mu - sic and math are in - sep - ara - ble. Notes are di -

10



rived as frac - tions of the whole. In the de - men - sion of time and

16



space, we count our mu - sic keep - ing per - fect pace!

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Clarinets

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An easy trill - have fun!

4

Mu - sic and math are in - sep - ara - ble. Notes are di -

4

Detailed description: This system contains measures 1 through 6. It features two staves in common time. The first staff has a treble clef and a '4' above the first measure. The second staff has a bass clef and a '4' above the first measure. Both staves begin with a whole rest in the first measure. Measures 2-6 contain a melody in the upper staff and a bass line in the lower staff. Trills are indicated above the notes in measures 3 and 5.

10

rived as frac-tions of the whole. In the de - men - sion of time and

Detailed description: This system contains measures 7 through 12. It features two staves in common time. The first staff has a treble clef and a '10' above the first measure. The second staff has a bass clef. The melody in the upper staff includes a sharp sign (F#) in measure 8. Trills are indicated above the notes in measures 8 and 10.

16

space, we count our mu - sic keep-ing per - fect pace!

Detailed description: This system contains measures 13 through 18. It features two staves in common time. The first staff has a treble clef and a '16' above the first measure. The second staff has a bass clef. A trill is indicated above the first measure. The melody in the upper staff concludes with a double bar line and repeat dots in the final measure.

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Alto Saxophones

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4

Harmony above 2nd sax melody

Mu - sic and math are in - sep - ara - ble. Notes are di -

10

rived as frac - tions of the whole. In the de - men - sion of time and

16

space, we count our mu - sic keep - ing per - fect pace!

The musical score is written for two Alto Saxophones in G major (one sharp) and 4/4 time. It consists of 16 measures. The first measure is a whole rest for both instruments. The melody begins in the second measure. The lyrics are: "Mu - sic and math are in - sep - ara - ble. Notes are di - rived as frac - tions of the whole. In the de - men - sion of time and space, we count our mu - sic keep - ing per - fect pace!". The score includes a section for "Harmony above 2nd sax melody".

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Tenor Saxophones

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4

Mu - sic and math are in - sep - ara - ble. Notes are di -

4

Detailed description: This system contains measures 1 through 9. It features two staves in 4/4 time. The melody is written on the top staff, and the bass line is on the bottom staff. The lyrics are: "Mu - sic and math are in - sep - ara - ble. Notes are di -".

10

rived as frac - tions of the whole. In the de - men - sion of time and

Detailed description: This system contains measures 10 through 15. The melody continues on the top staff, and the bass line is on the bottom staff. The lyrics are: "rived as frac - tions of the whole. In the de - men - sion of time and".

16

space, we count our mu - sic keep - ing per - fect pace!

Detailed description: This system contains measures 16 through 21. The melody concludes on the top staff, and the bass line is on the bottom staff. The lyrics are: "space, we count our mu - sic keep - ing per - fect pace!".

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Baritone Saxophone

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4

10

15

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Trumpet in B $\flat$

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4

Mu - sic and math are in - sep-ara - ble. Notes are di -

10

rived as frac-tions of the whole. In the de - men - sion of

15

time and space, we countour mu - sic keeping per-fect pace!

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French Horns

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4

Mu - sic and math are in - sep - ara - ble. Notes are di -

10

rived as frac - tions of the whole. In the de - men - sion of time and

16

space, we count our mu - sic keep - ing per - fect pace!

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Trombones

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4

Mu - sic and math are in - sep - ara - ble. Notes are di -

4

Detailed description: This system contains the first five measures of the piece. It features two staves in bass clef with a key signature of one flat (Bb) and a common time signature (C). The first measure is a whole rest for both staves, with a '4' above it. The second measure has lyrics 'Mu - sic and' on the top staff and '4' below the bottom staff. The third measure has lyrics 'math are' on the top staff. The fourth measure has lyrics 'in - sep - ara - ble.' on the top staff. The fifth measure has lyrics 'Notes are di -' on the top staff. The bottom staff contains a continuous eighth-note accompaniment.

10

rived as frac - tions of the whole. In the de - men - sion of

Detailed description: This system contains measures 6 through 10. The top staff has lyrics 'rived as frac - tions of the whole.' in measure 6, 'In the de - men - sion of' in measure 7, and continues in measures 8, 9, and 10. The bottom staff continues the eighth-note accompaniment.

15

time and space, we count our mu - sic keep - ing per - fect pace!

Detailed description: This system contains measures 11 through 15. The top staff has lyrics 'time and space,' in measure 11, 'we count our mu - sic' in measure 12, and 'keep - ing per - fect pace!' in measure 13. The bottom staff continues the eighth-note accompaniment.

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Tuba

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4

10

15

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# Music and Math are Inseparable

Percussion

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The first system of the score consists of three staves. The top staff is a vocal line in G major (one flat) and 4/4 time, with a whole rest in each of the four measures. The middle and bottom staves are for a drum set, with the top staff representing the snare and the bottom staff representing the bass drum. The drum part is a repeated four-measure pattern: Measure 1 has a snare on the first and third beats and a bass drum on the second and fourth beats. Measure 2 has a snare on the first and third beats and a bass drum on the second and fourth beats. Measure 3 has a snare on the first and third beats and a bass drum on the second and fourth beats. Measure 4 has a snare on the first and third beats and a bass drum on the second and fourth beats.

Note that the drum part is a repeated four measure pattern.  
At first, the part should be practiced slowly in 4/4 time.

5

The second system begins at measure 5. The vocal line continues with the lyrics: "Mu - sic and math are in - sep - ara - ble. Notes are di - rived as". The drum part continues with the same four-measure pattern as in the first system.

11

The third system begins at measure 11. The vocal line continues with the lyrics: "frac - tions of the whole. In the de - men - sion of time and". The drum part continues with the same four-measure pattern.

16

The fourth system begins at measure 16. The vocal line concludes with the lyrics: "space, we count our mu - sic keep - ing per - fect pace!". The drum part continues with the same four-measure pattern.