



The Eight Arms Snowflake

Math for your
ears!

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Vocabulary review:

Time Signature: It tells you how the music should be counted.

Measure: A specific number of beats defined by the time signature.

Bar Line: A vertical straight line between measures.

Count: 1, 2, 1, 2, 1, 2, 1, 2.

The diagram illustrates musical notation in 2/4 time. It shows four measures, each containing two quarter notes. The first measure is labeled with a '2' over a '4' and an arrow pointing to it labeled 'Time signature'. Brackets under the first two measures are labeled 'Measure' with an arrow. A vertical line between the second and third measures is labeled 'Bar Line' with an arrow. The notes are represented by black stems and dots.

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Answer page:
(Part 1.)



- 1) The pattern was repeated 3 times.
- 2) You just heard 3 measures.
- 3) There were 8 beats in each measure.
- 4) So there were 24 beats altogether in the whole piece.

Explanation : 3 groups of 8 beats = 24 beats
 $3 * 8 = 24$

Answer page: (part 2.)

The pattern was:

8
4

S S C C T C T T

The repeated pattern was:

8
4

S S C C T C T T S S C C T C T T

8
4

S S C C T C T T

Create you own music game!

Here is how:

1. Print out the “Create you own music” page.
2. Make a music pattern and write the name of each musical movement right below the beat itself.
3. Print out the “Student’s Answer Page” and hand it to your friend.
4. Play your pattern first.
5. Name the movements in the pattern.
6. Repeat the pattern as many times as you wish, then ask your friend to fill out the blanks at the bottom of his/her page.

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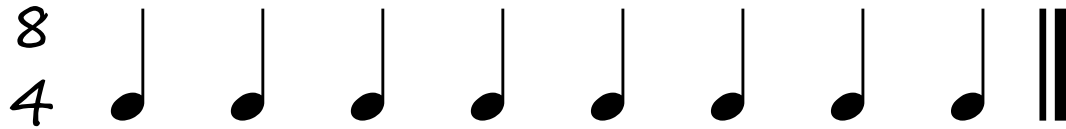


Name: _____

Create your own music!

All you have to do is write a "T" for a tap, or an "S" for a snap, or a "C" for a clap on the lines below the beats. The "T", and "S" and "C" are called musical movements.

Pattern:



(Names of the movements)

Repeated pattern:

(You can choose how many measures you want, up to 5).

I'm going to repeat my pattern _____ times.

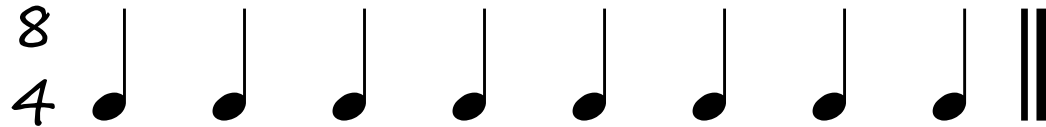
There will be _____ beats in each measure, so _____ beats altogether in the whole piece.

Explanation : _____ groups of 8 beats = _____ beats
 _____ * 8 = _____

Student's Answer Page

Name: _____

Pattern:



(Names of the
movements)

Fill in the blanks:

The pattern was repeated ____ times.

There were 8 beats in each measure. So there were ____ beats altogether in the whole piece.

Explanation : ____ groups of 8 beats = ____ beats
____ * 8 = ____

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*You are fantastic!
Thank you!*

