




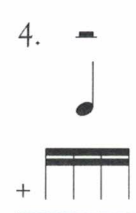
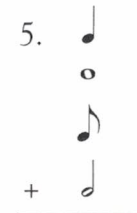







Name \_\_\_\_\_






Rhythm and mathematics are synonymous, working together as sequential and precise sciences. Students could improve rhythmic skills by working math problems based on rhythm and note values. To solve the problems in this lesson, think of notes and rests as the addends and subtrahends, instead of numbers, then use your computation skills to work your way through the lesson.

**ADD 'EM UP!**

Put a numerical total value after adding the notes/rests in each of these examples in  $\frac{4}{4}$  meter.











1. 	2. 	3. 	4. 	5. 
+ 	+ 	+ 	+ 	+ 
_____	_____	_____	_____	_____
?	?	?	?	?

Put a numerical total value after adding the notes/rests in these examples with varied time signatures. When you have solved the problems, count aloud and clap each of the examples. (Remember: the bottom number of the Time Signature tells what type of note gets one beat.)

1. $\frac{3}{8}$		= _____
2. $\frac{4}{4}$		= _____
3. $\frac{6}{8}$		= _____
4. $\frac{3}{2}$		= _____
5. $\frac{4}{2}$		= _____

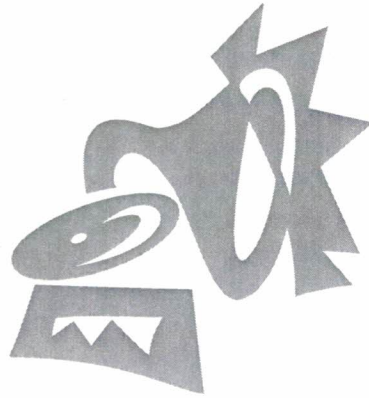


In each example below, supply one missing note or rest to equal the numerical total value provided. Check the time signature given for each problem.

1. $\frac{4}{4}$ 	2. $\frac{4}{4}$ 	3. $\frac{4}{4}$ 	4. $\frac{6}{8}$ 	5. $\frac{3}{2}$ 
				
+ ?	+ ?	+ ?	+ ?	+ ?
_____	_____	_____	_____	_____
5	3	6	4	3

In  $\frac{4}{4}$  time, provide one note in each example that would be subtracted from the first note shown in order to equal the answer given.

1.  $\text{♩} - \underline{\hspace{2cm}} = \text{♩}$
2.  $\text{♩} - \underline{\hspace{2cm}} = \text{♩}$
3.  $\text{♩} - \underline{\hspace{2cm}} = \text{♩}$
4.  $\text{♩} - \underline{\hspace{2cm}} = \text{♩}$
5.  $\text{♩} - \underline{\hspace{2cm}} = \text{♩}$



Circle all the rhythm patterns below that equal ten beats in  $\frac{4}{4}$  time.

1.  $\text{♩} \text{ ♩} \text{ ♩} \text{ ♩} \text{ ♩}$
2.  $\text{♩} \text{ ♩} \text{ ♩} \text{ ♩}$
3.  $\text{♩} \text{ ♩} \text{ ♩} \text{ ♩} \text{ ♩}$
4.  $\text{♩} \text{ ♩} \text{ ♩} \text{ ♩} \text{ ♩}$
5.  $\text{♩} \text{ ♩} \text{ ♩} \text{ ♩}$

Provide a numerical total of beats for the rhythm syllables shown, in  $\frac{4}{4}$  time.

1. ta ta ti-ti ta ta ta = \_\_\_\_\_
2. ta ti-ti ta ti-ti ta = \_\_\_\_\_
3. ta ti-ti ti-ti ta ta-a ta ta = \_\_\_\_\_
4. ti-ti ta-a ta ti-ti ta ta = \_\_\_\_\_
5. ta ta ti-ti ta ti-ti ta = \_\_\_\_\_

## BONUS ACTIVITIES

1. Count aloud and clap the rhythm syllables in the five examples above.
2. Create a math problem involving notes and rests to share with the class.

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