

THE BREMEN TOWN MUSICIANS

Math: Donation of School Instruments

Students Will

- Use mathematical operation to solve real world situations.
- Utilize a chart and analyze data to answer questions.

Copies for Each Student

- **The Story of the Opera**
- Activity Worksheet

For the Teacher

- **The Story of the Opera**
- Activity Worksheet
- Answer Key

Getting Ready

Decide which section(s) of the lesson you wish your students to complete. Gather notebook paper and pencils.

Instructional Time

One 45-minute class period

Introduction

Read **The Story of the Opera** with your class to review the story and the lessons and morals it teaches. Discuss the characters and the importance of the different roles they play in making the band a success. Focus the student's attention on how the students have applied teamwork in their lives at school and at home. Tell your students that The Bremen Town Musicians decided to work with the local Bremen Town School to raise funds to purchase instruments for the new marching band.

Guided Practice

Read the activity worksheet instructions as a class. Review the Donations Records Sheet at the top of the page with the students and discuss the different mathematical operations necessary to complete the assignment.

Independent Practice

Have the students complete the Activity sheet and review answers in class. Depending on your grade level, the ability of your students, and time constraints, you may choose to have students work as a whole class, in small groups, with a partner, or individually.

If time allows

In small groups, have the students use the Donation Record Sheet to come up with three new questions for another group to answer in the class.

Evaluation

1. Did the students complete the Donation Records Sheet?
2. Were students able to complete the Activity Worksheet with 80% accuracy?
3. Were the students able to create their own question using the Donation Records Sheet?

TEKS**Grade 2**

- (1) Mathematical process standards. The student uses mathematical processes to acquire and demonstrate mathematical understanding. (A. B. E.)
- (4) Number and operations. The student applies mathematical process standards to develop and use strategies and methods for whole number computations in order to solve addition and subtraction problems with efficiency and accuracy. (A. B. C. D.)

Grade 3

- (1) Mathematical process standards. The student uses mathematical processes to acquire and demonstrate mathematical understanding. (A. B. E.)
- (2) Number and operations. The student applies mathematical process standards to represent and compare whole numbers and understand relationships related to place value. (A)
- (4) Number and operations. (A. C. E. K)

Correlates: Language Arts

Gardner's Intelligences: Linguistic, Logical-Mathematical

Bloom's Taxonomy: Understand, Analyze, Evaluate

References:

http://www.andersonfinancialservices.com/~anderson/files/Worksheet%20-%20Charitable%20Item%20Donation%20Guide_1.pdf

<http://operatales.com/bremen-town-musicians.shtml>

The Story of the Opera

Eddie Pensier, a rooster with operatic aspirations, is chased away from his farm for waking the entire barnyard by singing tenor arias (songs). He decides to look for some pirates, who he thinks will be his friends and help him to survive. On the very same day, Barcarolle the dog, and Dorabella the cat, are cast out by their owners for being too old to catch rabbits and mice. As Barcarolle and Dorabella make their way through the woods near the road to Bremen, they meet General Boom, a retired army donkey, who is marching along playing his drum. After hearing the reason they were forced to leave their homes, the general awards medals to them for being nice to rabbits and mice. In further appreciation of their kindness, General Boom also invites them to come to Bremen to play in his new band. Dorabella and Barcarolle are overjoyed at the invitation but must decline because they have promised to open a retirement home for old dogs and cats.

Eddie, who has now joined the Sea-sick Pirates, has been hiding and watching General Boom, Barcarolle, and Dorabella. When Dorabella and Barcarolle leave, Eddie draws his sword and startles the general with a big shout, "Cock-a-doodle-doo! ARRRRRRRRRRRRR!" General Boom, after calming himself, asks Eddie to stop trying to frighten him and invites the singing rooster to Bremen to join his new band. Eddie declines the invitation because he has promised to never think for himself and will only do whatever the pirates command. Therefore, the general bids Eddie farewell but suddenly realizes his drum is missing! Eddie confesses that the pirates commanded him to distract the general so they could steal the drum. General Boom vows to get his drum back and recruits Eddie to help. However, Eddie does not pay attention to where General Boom is marching and heads off in the wrong direction.

Meanwhile, Dorabella and Barcarolle have gotten lost and start to blame each other angrily. They spot Eddie and demand to know who he is. Eddie demands to know who they are, and all three animals begin arguing so loudly that General Boom hears their shouting. He tells them that they should learn to get along and extends another invitation for them to

join his band. With the woods surrounding the Bremen Road filled with uncertainty and rumors of pirates all about, they decide that it is best for them all to stick together. Therefore, Dorabella, Barcarolle, and Eddie agree to join the general's new band and march with him to Bremen. Eddie warns everyone that the house belonging to the Sea-sick Pirates is on the way to Bremen and that General Boom's drum is probably there. Working together as a team, the four create a plan to scare the pirates away from the house disguising themselves as a big noisy monster! Their plan succeeds and Eddie is able to return the drum to its rightful owner, General Boom. As they make their way to their new home, the newly-formed Bremen Town Musicians celebrate the idea that friendship, cooperation, and respect for others is far better than facing problems alone.

The Characters

Eddie Pensier: (*Tenor*) A singing rooster with artistic aspirations who loves singing opera.

General Boom: (*Bass or Baritone*) A retired Army donkey and percussionist.

Barcarolle: (*Mezzo or Soprano*) An old dog and best friend of Dorabella.

Dorabella: (*Soprano or Mezzo*) An old cat and best friend of Barcarolle.

Name: _____ Date: _____

Activity Worksheet

Instructions: The Bremen School for the Talented and Gifted received a large donation at the beginning of school to purchase new instruments. While cleaning out their storage, they realized they would need to make space for the new instruments. The school decided to donate some of the older instruments to charity. Complete the donation sheet below and answer the questions that follow.

Donation Records Sheet

Musical Instrument	Average Value	Quantity Per item	Total Donated
Brass Horns	\$228.00	4	\$
Beginner Guitar	\$65.00	2	\$
Small Keyboard	\$76.00	3	\$
Drum Set	\$420.00	3	\$
Upright Piano	\$1,150.00	2	\$
Violin	\$150.00	4	\$
Clarinet	\$188.50	5	\$

1. What was the donation value of the upright pianos and brass horns? _____
2. What was the total value donated in clarinets? _____
3. What is the difference between the total donation of guitars and small keyboards?

4. What was the total donation value of the 2nd highest quantity items given? _____
5. What was the total donation value for all donated instruments? _____
6. If another drum set was added and 2 more violins, what would be the new donated value for both items together? _____
7. What is the average amount donated for all instruments together? _____
8. From least to greatest, order the instruments according to the total amount donated.

ANSWER KEY**Activity Worksheet****Donation Records Sheet**

Musical Instrument	Average Value	Quantity Per item	Total Donated
Brass Horns	\$228.00	4	\$912.00
Beginner Guitar	\$65.00	2	\$130.00
Small Keyboard	\$76.00	3	\$228.00
Drum Set	\$420.00	3	\$1,260.00
Upright Piano	\$1,150.00	2	\$2,300.00
Violin	\$150.00	4	\$600.00
Clarinet	\$188.50	5	\$942.50

1. What was the donation value of the upright pianos and brass horns? **\$3,212**
2. What was the total value donated in clarinets? **\$942.50**
3. What is the difference between the total donation of guitars and small keyboards? **\$98.00**
4. What was the total donation value of the 2nd highest quantity items given? **\$1,512.00**
5. What was the total donation value for all donated instruments? **\$6,372.50**
6. If another drum set was added and 2 more violins, what would be the new donated value for both items together? **\$2,580.00**
7. What is the average amount donated for all instruments together? **\$277.07**
8. From least to greatest, order the instruments according to the total amount donated.
Guitar, Keyboard, Violin, Brass Horns, Clarinet, Drum set and Upright Piano.