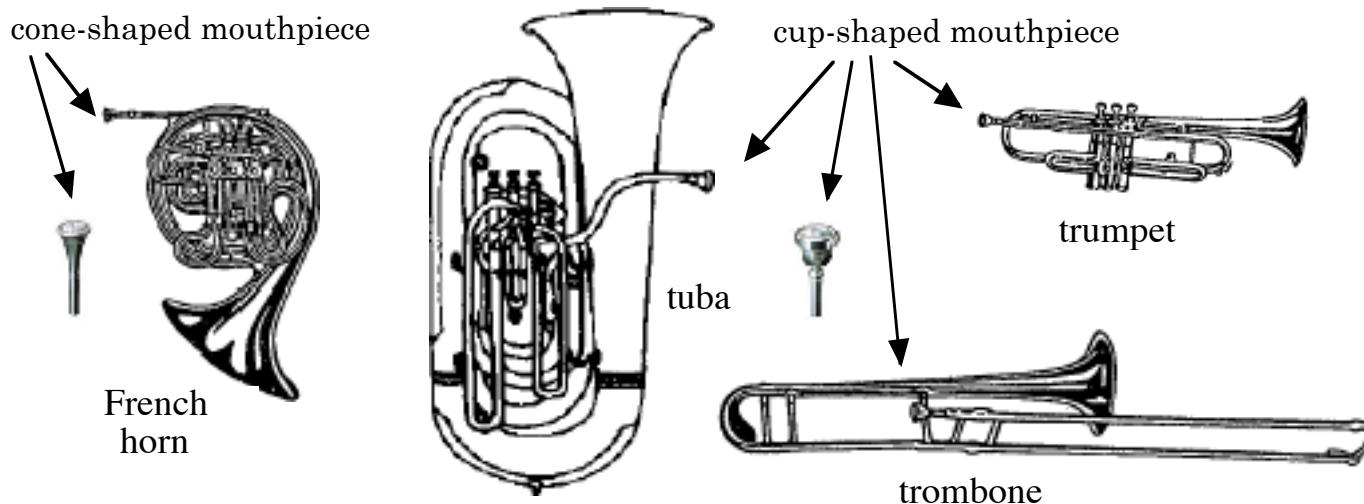


The Brass Family

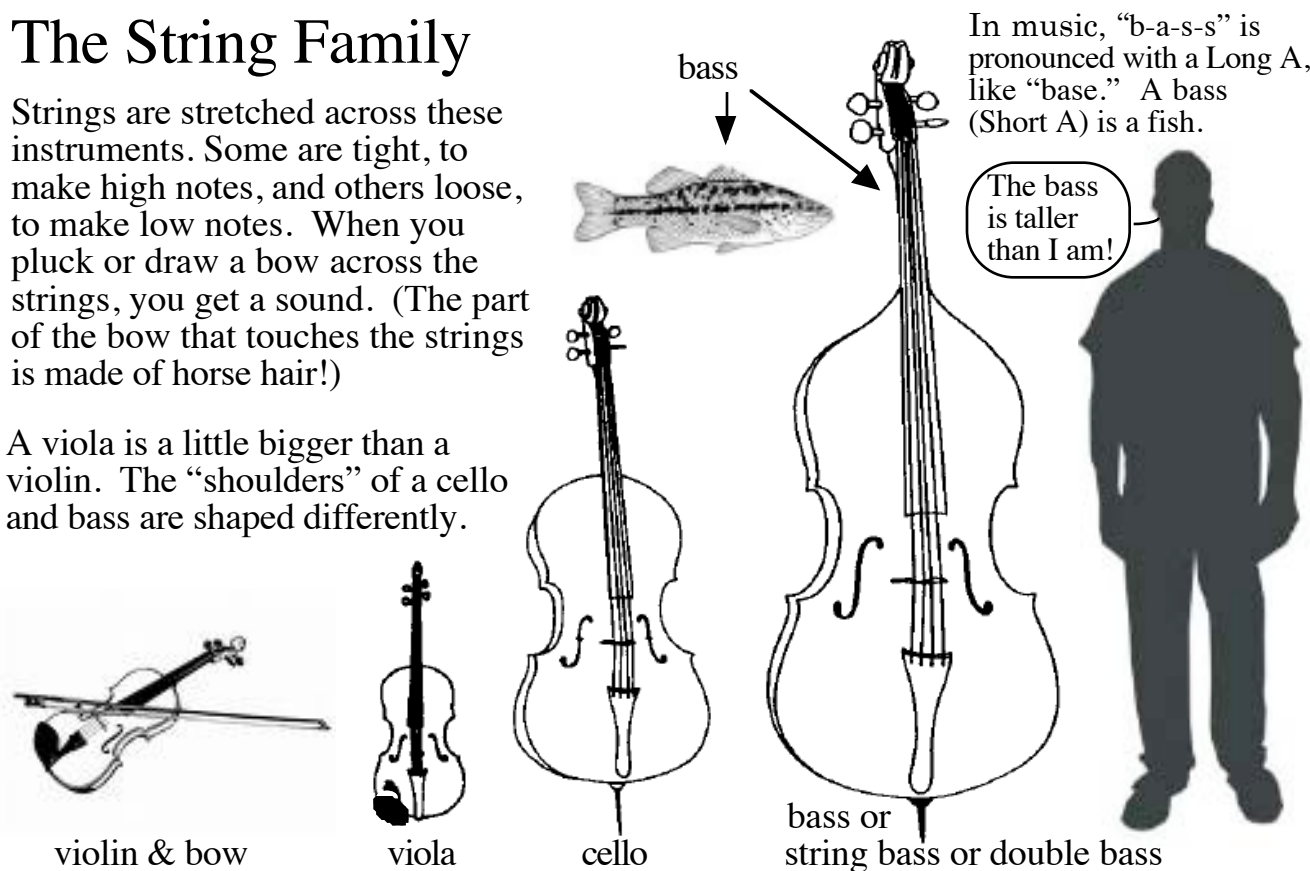
Brass instruments are long, coiled metal tubes with valves (in trombones, a slide). Trumpet and trombone tubes are cylinders while French horn and tuba tubes are cones. To make a sound on brass instruments, you buzz your lips as you blow into the mouthpiece. That involves pressing your lips together and blowing, forcing air through the lips, causing them to vibrate.



The String Family

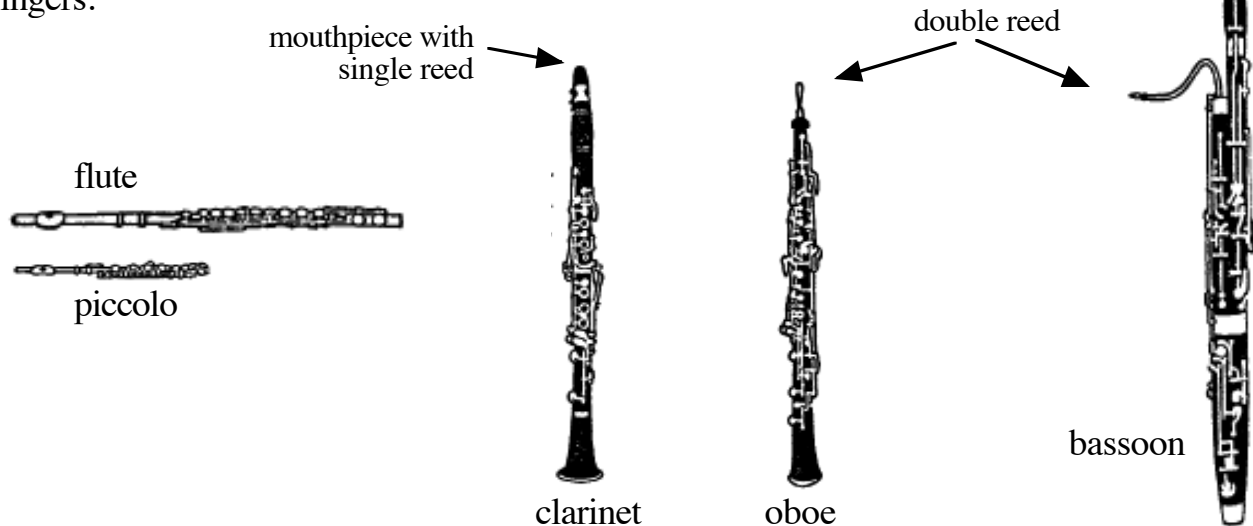
Strings are stretched across these instruments. Some are tight, to make high notes, and others loose, to make low notes. When you pluck or draw a bow across the strings, you get a sound. (The part of the bow that touches the strings is made of horse hair!)

A viola is a little bigger than a violin. The “shoulders” of a cello and bass are shaped differently.



The Woodwind Family

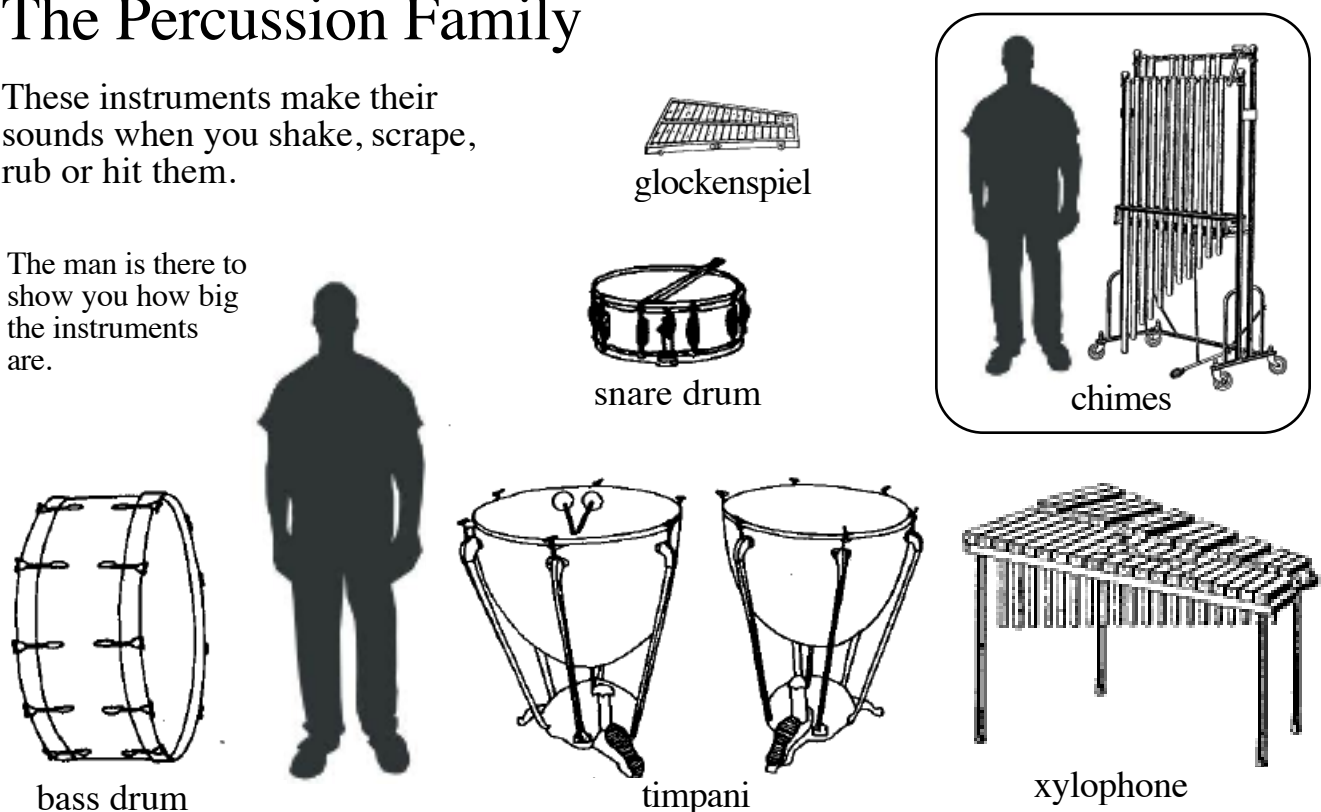
Woodwind instruments are basically hollow tubes with holes. Clarinet and flute tubes are cylinders while bassoon and oboe tubes are cones. Some tubes are made of wood and others are made of metal. Most woodwinds have a reed in the mouthpiece that vibrates to make a sound when you blow into them. Pitches are changed by covering and uncovering holes with your fingers.



The Percussion Family

These instruments make their sounds when you shake, scrape, rub or hit them.

The man is there to show you how big the instruments are.



Name _____

Date _____

Musical Instruments - pg. 1

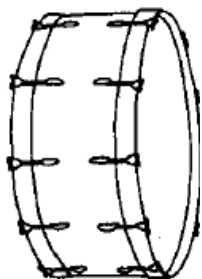
Look at the picture of each musical instrument and trace the name of the instrument in the space provided.



Trumpet



Clarinet



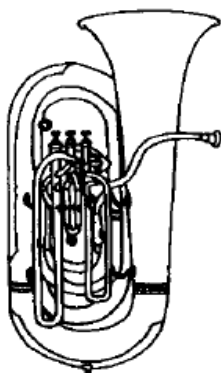
Drums



Bassoon



Violin



Tuba

Name _____

Date _____

Musical Instruments - pg. 2

Look at the picture of each musical instrument and trace the name of the instrument in the space provided.



Flute



Trombone



Cello



Oboe



Triangle

Bass

Name _____

Date _____

Alphabetical Instruments

Put these instruments in alphabetical order.

☐ clarinet

☐ oboe

☐ flute

☐ trumpet

☐ trombone

☐ French horn

☐ cello

☐ piano

☐ tuba

☐ string bass

☐ triangle

☐ xylophone

☐ violin

☐ viola

☐ bassoon

1. _____

9. _____

2. _____

10. _____

3. _____

11. _____

4. _____

12. _____

5. _____

13. _____

6. _____

14. _____

7. _____

15. _____

8. _____

Name Answer Key

Alphabetical Instruments

Put these instruments in alphabetical order.

- | | | |
|--------------------------------------|-----------------------------------|--------------------------------------|
| <input type="checkbox"/> clarinet | <input type="checkbox"/> oboe | <input type="checkbox"/> flute |
| <input type="checkbox"/> trumpet | <input type="checkbox"/> trombone | <input type="checkbox"/> French horn |
| <input type="checkbox"/> cello | <input type="checkbox"/> piano | <input type="checkbox"/> tuba |
| <input type="checkbox"/> string bass | <input type="checkbox"/> triangle | <input type="checkbox"/> xylophone |
| <input type="checkbox"/> violin | <input type="checkbox"/> viola | <input type="checkbox"/> bassoon |

1. bassoon

9. triangle

2. cello

10. trombone

3. clarinet

11. trumpet

4. flute

12. tuba

5. French horn

13. viola

6. oboe

14. violin

7. piano

15. xylophone

8. string bass

Name _____

Date _____

Make-a-Word

Connect the word parts in the first column to their partners in the second column. Write the completed words on the lines. The first one is done for you as an example.

clar	lo	1. <u>cello</u>
tri	horn	2. _____
xylo	inet	3. _____
cel	pani	4. _____
vio	phone	5. _____
o	bourine	6. _____
tim	pet	7. _____
French	boe	8. _____
trom	lin	9. _____
tam	la	10. _____
trum	angle	11. _____
vio	ba	12. _____
tu	bone	13. _____

Name _____ Answer Key _____

Make-a-Word

Connect the word parts in the first column to their partners in the second column. Write the completed words on the lines. The first one is done for you as an example.

clar	lo	1. <u>cello</u>
tri	horn	2. <u>French horn</u>
xylo	inet	3. <u>clarinet</u>
cel	pani	4. <u>timpani</u>
vio	phone	5. <u>xylophone</u>
o	bourine	6. <u>tambourine</u>
tim	pet	7. <u>trumpet</u>
French	boe	8. <u>oboe</u>
trom	lin	9. <u>violin</u>
tam	la	10. <u>viola</u>
trum	angle	11. <u>triangle</u>
vio	ba	12. <u>tuba</u>
tu	bone	13. <u>trombone</u>

Name _____

Date _____

Odd Man Out

Circle the name of the instrument which does not belong with the others.

Optional: On another sheet of paper, explain why you chose that instrument.

1)	<i>Trumpet</i>	<i>French horn</i>	<i>Piccolo</i>	<i>Tuba</i>
2)	<i>Timpani</i>	<i>String bass</i>	<i>Cello</i>	<i>Viola</i>
3)	<i>Oboe</i>	<i>Maracas</i>	<i>Bassoon</i>	<i>Flute</i>
4)	<i>Snare drum</i>	<i>Cymbals</i>	<i>Xylophone</i>	<i>Oboe</i>
5)	<i>Trombone</i>	<i>Triangle</i>	<i>French horn</i>	<i>Tuba</i>
6)	<i>Clarinet</i>	<i>Double bass</i>	<i>Violin</i>	<i>Viola</i>
7)	<i>Bassoon</i>	<i>Clarinet</i>	<i>French horn</i>	<i>Oboe</i>
8)	<i>Bass drum</i>	<i>Cymbals</i>	<i>Xylophone</i>	<i>Flute</i>
9)	<i>Tuba</i>	<i>Trombone</i>	<i>French horn</i>	<i>Cello</i>
10	<i>Guitar</i>	<i>Trumpet</i>	<i>'Ukulele</i>	<i>Viola</i>

Name Answer Key

Odd Man Out

Circle the name of the instrument which does not belong with the others.

Optional: Optional: On another sheet of paper, explain why you chose that instrument.

1)	<i>Trumpet</i>	<i>French horn</i>	<i>Piccolo</i>	<i>Tuba</i>
Piccolo is a woodwind instrument; the others are brass				
2)	<i>Timpani</i>	<i>String bass</i>	<i>Cello</i>	<i>Viola</i>
Timpani is a percussion instrument; the others are string				
3)	<i>Oboe</i>	<i>Maracas</i>	<i>Bassoon</i>	<i>Flute</i>
Maracas are percussion instruments; the others are woodwinds				
4)	<i>Snare drum</i>	<i>Cymbals</i>	<i>Xylophone</i>	<i>Oboe</i>
Oboe is a woodwind instrument; the others are percussion				
5)	<i>Trombone</i>	<i>Triangle</i>	<i>French horn</i>	<i>Tuba</i>
Triangle is a percussion instrument; the others are brass				
6)	<i>Clarinet</i>	<i>Double bass</i>	<i>Violin</i>	<i>Viola</i>
Clarinet is a woodwind instrument; the others are string				
7)	<i>Bassoon</i>	<i>Clarinet</i>	<i>French horn</i>	<i>Oboe</i>
French horn is a brass instrument; the others are woodwinds				
8)	<i>Bass drum</i>	<i>Cymbals</i>	<i>Xylophone</i>	<i>Flute</i>
Flute is a woodwind instrument; the others are percussion				
9)	<i>Tuba</i>	<i>Trombone</i>	<i>French horn</i>	<i>Cello</i>
Cello is a string instrument; the others are brass				
10	<i>Guitar</i>	<i>Trumpet</i>	<i>'Ukulele</i>	<i>Viola</i>
Trumpet is a brass instrument; the others are string				

Name _____

Date _____

What Instrument Am I?

☐ clarinet☐ bassoon☐ flute☐ trumpet☐ trombone☐ French horn☐ cello☐ xylophone☐ tuba☐ oboe☐ maracas☐ viola

- I am a brass instrument.
- I have a mouthpiece and bell, but no valves.
- I am twice as long as a trumpet and can slide from tone to tone.

1. _____

- I belong to the string family.
- I am held between the knees.
- I am bigger than a viola, but smaller than a bass.

6. _____

- I am a woodwind instrument.
- I am usually silver and am held sideways.
- My sound is produced by blowing across a hole near the end of me.

2. _____

- I am a double reed woodwind instrument.
- I am quite large and hard to hold.
- You can see the end of me in the orchestra, higher than the head of the person who plays me.

7. _____

- I am a string instrument.
- I am a little bigger than my sister, the violin.
- I have a chin rest.

3. _____

- I am a percussion instrument.
- I come in a pair.
- Players shake me.

8. _____

- I belong to the brass family.
- I have three valves.
- I have a cup-shaped mouthpiece.
- My tube is a cylinder.

4. _____

- I am a woodwind instrument.
- I look like an oboe, but I use a single reed.

9. _____

- I am a percussion instrument.
- I am made up of many wooden bars.
- I am played with two or more mallets.
- Find me in the back of the orchestra.

5. _____

- I am the largest instrument of the brass family.
- I play very low notes.
- My tube is a cone.

10. _____

Name _____ Answer Key _____

What Instrument Am I?

- ☐ clarinet
- ☐ trumpet
- ☐ cello
- ☐ oboe

- ☐ bassoon
- ☐ trombone
- ☐ xylophone
- ☐ maracas

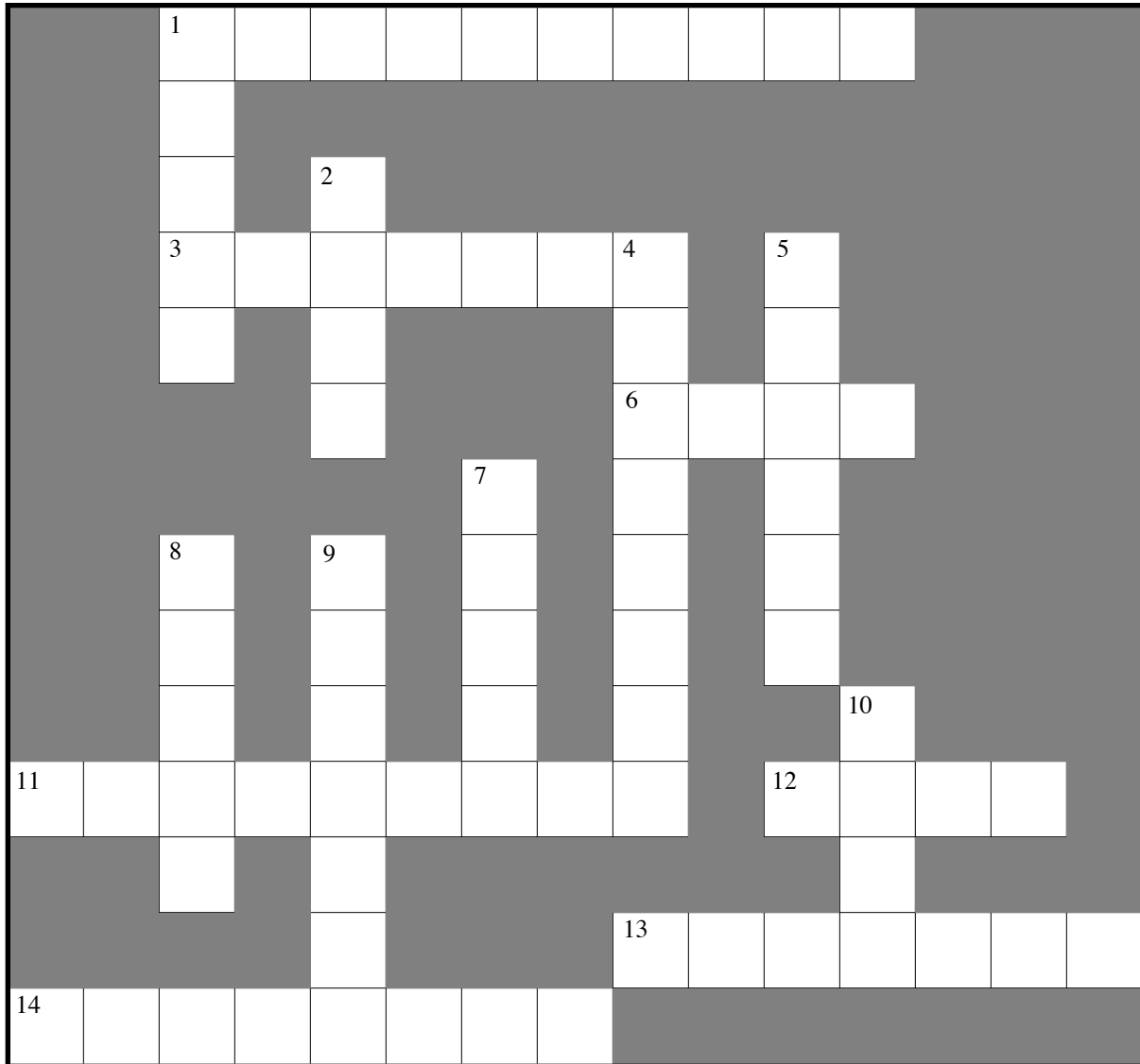
- ☐ flute
- ☐ French horn
- ☐ tuba
- ☐ viola

<ul style="list-style-type: none"> I am a brass instrument. I have a mouthpiece and bell, but no valves. I am twice as long as a trumpet and can slide from tone to tone. <p>1. <u>trombone</u></p>	<ul style="list-style-type: none"> I belong to the string family. I am held between the knees. I am bigger than a viola, but smaller than a bass. <p>6. <u>cello</u></p>
<ul style="list-style-type: none"> I am a woodwind instrument. I am usually silver and am held sideways. My sound is produced by blowing across a hole near the end of me. <p>2. <u>flute</u></p>	<ul style="list-style-type: none"> I am a double reed woodwind instrument. I am quite large and hard to hold. You can see the end of me in the orchestra, higher than the head of the person who plays me. <p>7. <u>bassoon</u></p>
<ul style="list-style-type: none"> I am a string instrument. I am a little bigger than my sister, the violin. I have a chin rest. <p>3. <u>viola</u></p>	<ul style="list-style-type: none"> I am a percussion instrument. I come in a pair. Players shake me. <p>8. <u>maracas</u></p>
<ul style="list-style-type: none"> I belong to the brass family. I have three valves. I have a cup-shaped mouthpiece. My tube is a cylinder. <p>4. <u>trumpet</u></p>	<ul style="list-style-type: none"> I am a woodwind instrument. I look like an oboe, but I use a single reed. <p>9. <u>clarinet</u></p>
<ul style="list-style-type: none"> I am a percussion instrument. I am made up of many wooden bars. I am played with two or more mallets. Find me in the back of the orchestra. <p>5. <u>xylophone</u></p>	<ul style="list-style-type: none"> I am the largest instrument of the brass family. I play very low notes. My tube is a cone. <p>10. <u>tuba</u></p>

Name _____

Date _____

Musical Instruments Crossword



Across

1. Brass instrument with a big bell and a cone-shaped mouthpiece
3. Brass instrument with 3 valves and a cup-shaped mouthpiece
6. Double reed woodwind that looks like a clarinet
11. It has bars made of wood, which you hit with mallets
12. Its 47 strings are plucked
13. The biggest double reed instrument
14. Single reed woodwind instrument that looks like an oboe

Down

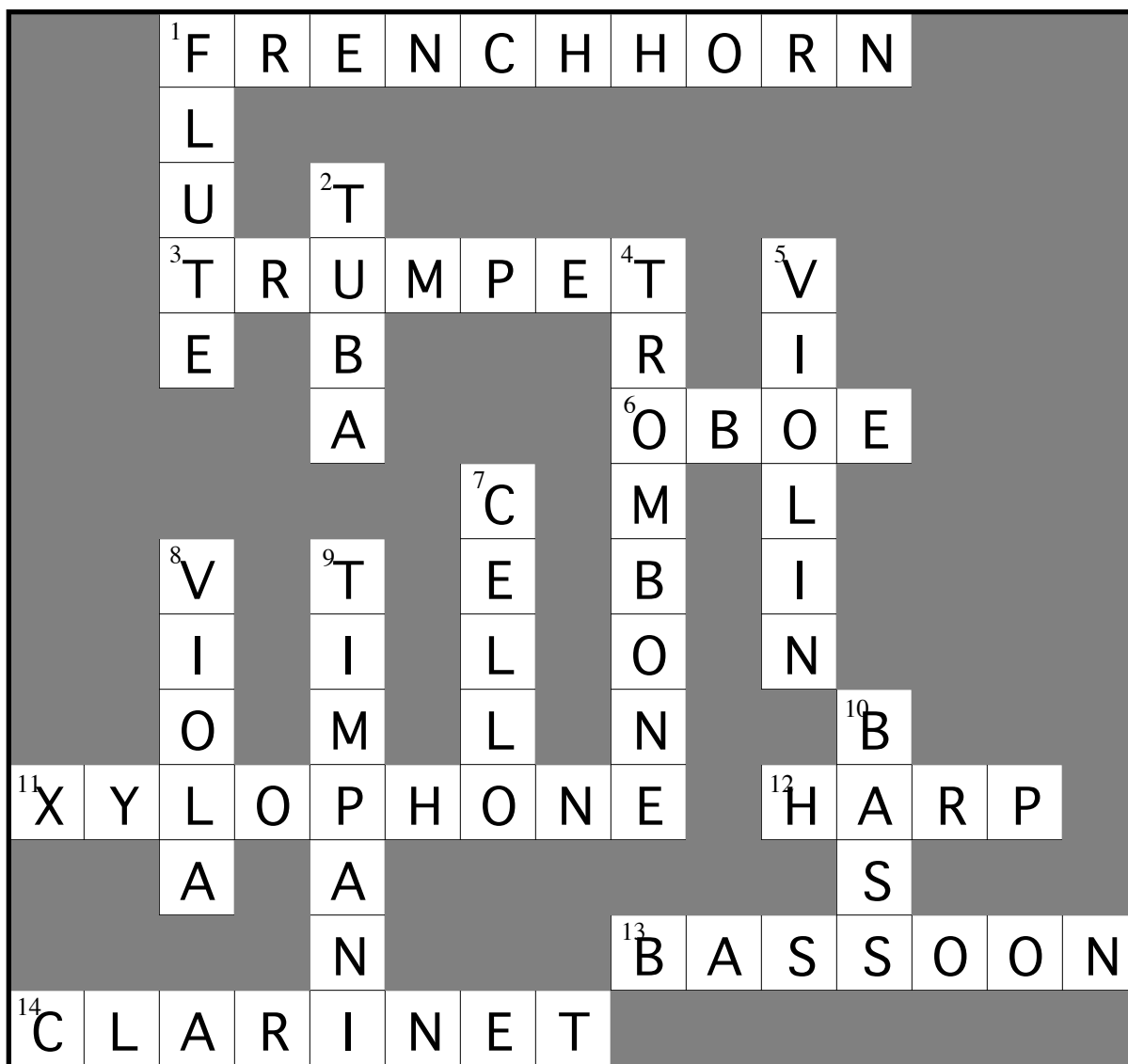
1. Woodwind instrument that is blown sideways
2. The largest, lowest brass instrument
4. Brass instrument with a slide
5. Smallest string instrument, played with a bow
7. String instrument played vertically, held between the player's knees
8. Bigger sister of the violin
9. Kettle drums
10. The largest string instrument

Word Bank

CLARINET • HARP • BASS • TRUMPET • OBOE • VIOLIN • TROMBONE
 XYLOPHONE • CELLO • TIMPANI • BASSOON • VIOLA • FLUTE •
 FRENCH HORN • TUBA

Name _____ Answer Key _____

Musical Instruments Crossword



Across

1. Brass instrument with a big bell and a cone-shaped mouthpiece
3. Brass instrument with 3 valves and a cup-shaped mouthpiece
6. Double reed woodwind that looks like a clarinet
11. It has bars made of wood, which you hit with mallets
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13. The biggest double reed instrument
14. Single reed woodwind instrument that looks like an oboe

Down

1. Woodwind instrument that is blown sideways
2. The largest, lowest brass instrument
4. Brass instrument with a slide
5. Smallest string instrument, played with a bow
7. String instrument played vertically, held between the player's knees
8. Bigger sister of the violin
9. Kettle drums
10. The largest string instrument

Word Bank

CLARINET • HARP • BASS • TRUMPET • OBOE • VIOLIN • TROMBONE
XYLOPHONE • CELLO • TIMPANI • BASSOON • VIOLA • FLUTE •
FRENCH HORN • TUBA

Name _____

Instrument Families

The **Brass** instruments are long coiled metal tubes with valves (in trombones, a slide).

--	--	--	--

Percussion instruments make their sounds when you shake, scrape, rub or hit them.

--	--	--	--

Woodwind instruments are basically hollow tubes with holes in them. Some woodwinds are made of wood and others are made of metal.

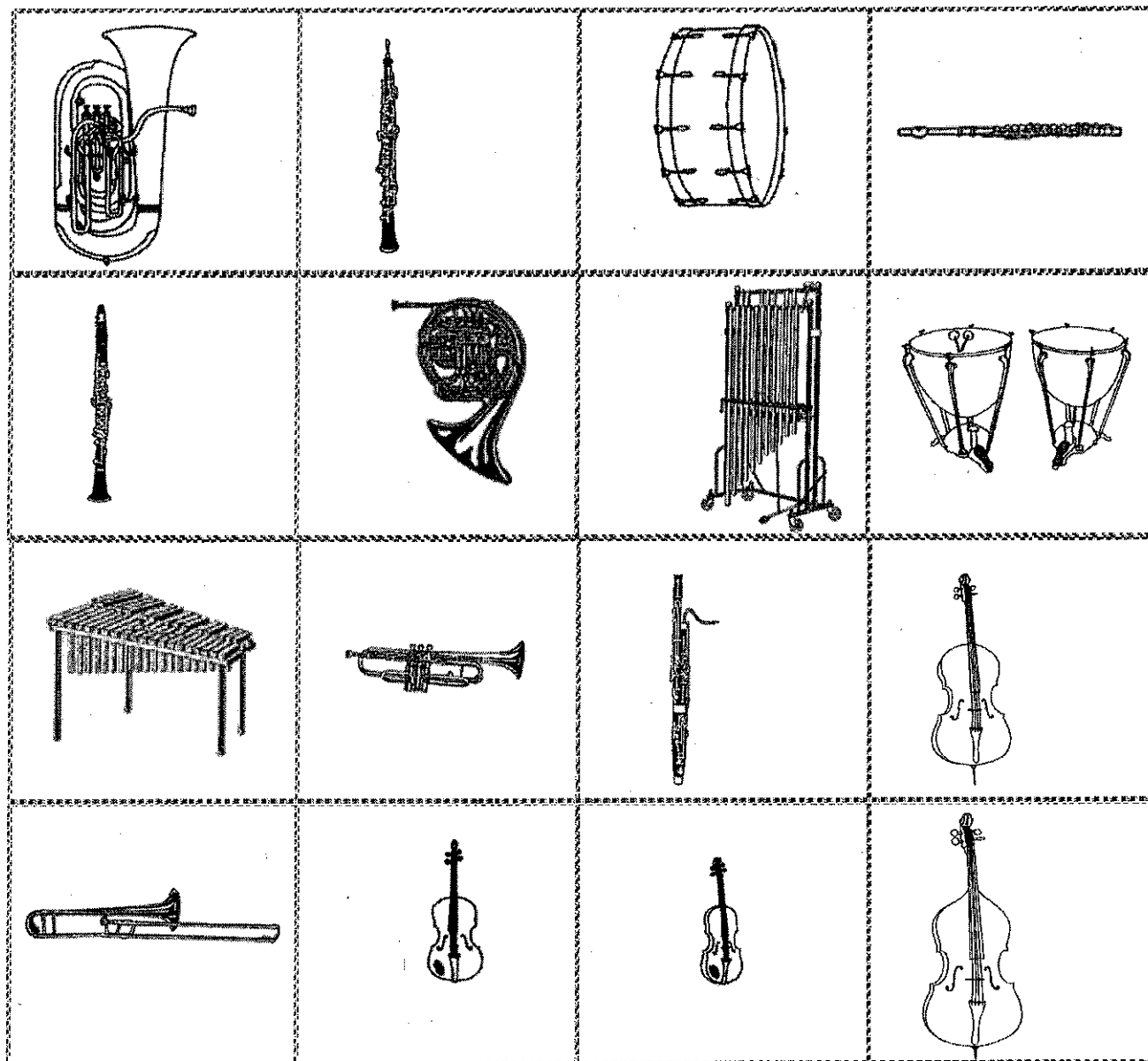
--	--	--	--

All instruments in the **String** family have strings (obviously!). When you pluck or draw a bow across the strings, you get a sound.

--	--	--	--

Instrument Families

Label the instruments using the words in the Word Bank (optional). Cut on the dotted lines and paste the instruments in their correct families.



Word Bank

☐ clarinet

☐ bass drum

☐ flute

☐ trumpet

☐ oboe

☐ chimes

☐ viola

☐ French horn

☐ violin

☐ bass

☐ timpani

☐ tuba

☐ trombone

☐ cello

☐ bassoon



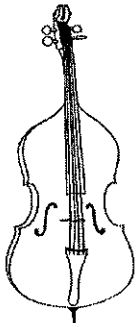


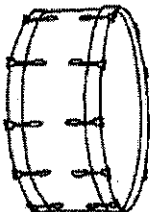
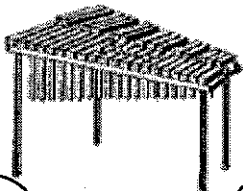




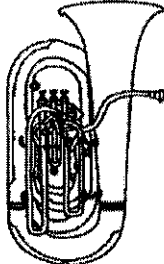
☐ xylophone

Name _____

Musical Letter Sounds

Initial and Final Consonants



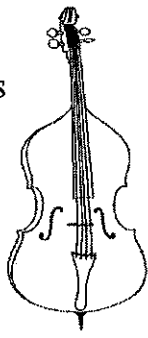


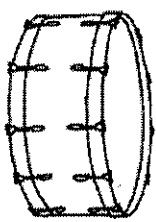
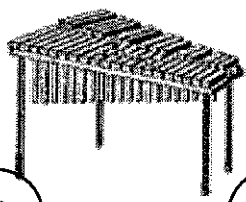




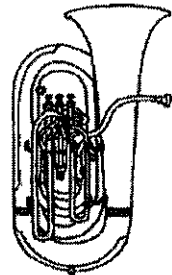
In the circles, write the first and last letter sounds of the instruments' names.
Optional: try spelling the instruments' names.

 <input type="text"/> <input type="text"/>	 <input type="text"/> <input type="text"/>	 <input type="text"/> <input type="text"/>
 <input type="text"/> <input type="text"/>	 <input type="text"/> <input type="text"/>	 <input type="text"/> <input type="text"/>
 <input type="text"/> <input type="text"/>	 <input type="text"/> <input type="text"/>	 <input type="text"/> <input type="text"/>
 <input type="text"/> <input type="text"/>	 <input type="text"/> <input type="text"/>	<p>Write just the first sound for these:</p>  <input type="text"/> <input type="text"/>

Musical Letter Sounds - ANSWER KEY

Initial and Final Consonants

In the circles, write the first and last letter sounds of the instruments' names.
Optional: try spelling the instruments' names.

<p>trombone</p>  <p>(t) (n)</p>	<p>bassoon</p>  <p>(b) (n)</p>	<p>bass</p>  <p>(b) (s)</p>
<p>trumpet</p>  <p>(t) (t)</p>	<p>flute</p>  <p>(f) (t)</p>	<p>bass drum</p>  <p>(b) (m)</p>
<p>xylophone</p>  <p>(x) or z (n)</p>	<p>French horn</p>  <p>(f) (n)</p>	<p>clarinet</p>  <p>(c) or K (t)</p>
<p>violin</p>  <p>(v) (n)</p>	<p>Write just the first sound for these:</p>	
<p>viola</p>  <p>(v) (a)</p>	<p>tuba</p>  <p>(t) (a)</p>	

Name _____

Musical Instruments Tic-Tac-Toe

Can you connect three squares of instruments that are in the same family?

timpani	bass	bassoon
drum	clarinet	violin
flute	oboe	viola

violin	cello	bass
flute	triangle	trumpet
viola	piccolo	oboe

trombone	trumpet	timpani
piano	violin	bass drum
flute	harp	xylophone

viola	trumpet	harp
snare drum	French horn	cello
violin	tuba	bassoon

↓ Hint: two answers ↓

chimes	bass drum	timpani
triangle	French horn	cello
xylophone	flute	trombone

oboe	cello	trombone
tuba	clarinet	chimes
viola	timpani	bassoon

Musical Instruments Tic-Tac-Toe ANSWER KEY

Can you connect three squares of instruments that are in the same family?

timpani	bass	bassoon
drum	clarinet	violin
flute	oboe	viola

violin	cello	bass
flute	triangle	trumpet
viola	piccolo	oboe

trombone	trumpet	timpani
piano	violin	bass drum
flute	harp	xylophone

viola	trumpet	harp
snare drum	French horn	cello
violin	tuba	bassoon

chimes	bass drum	timpani
triangle	French horn	cello
xylophone	flute	trombone

oboe	cello	trombone
tuba	clarinet	chimes
viola	timpani	bassoon

Name _____

Musical Instruments Word Search

(Easier)

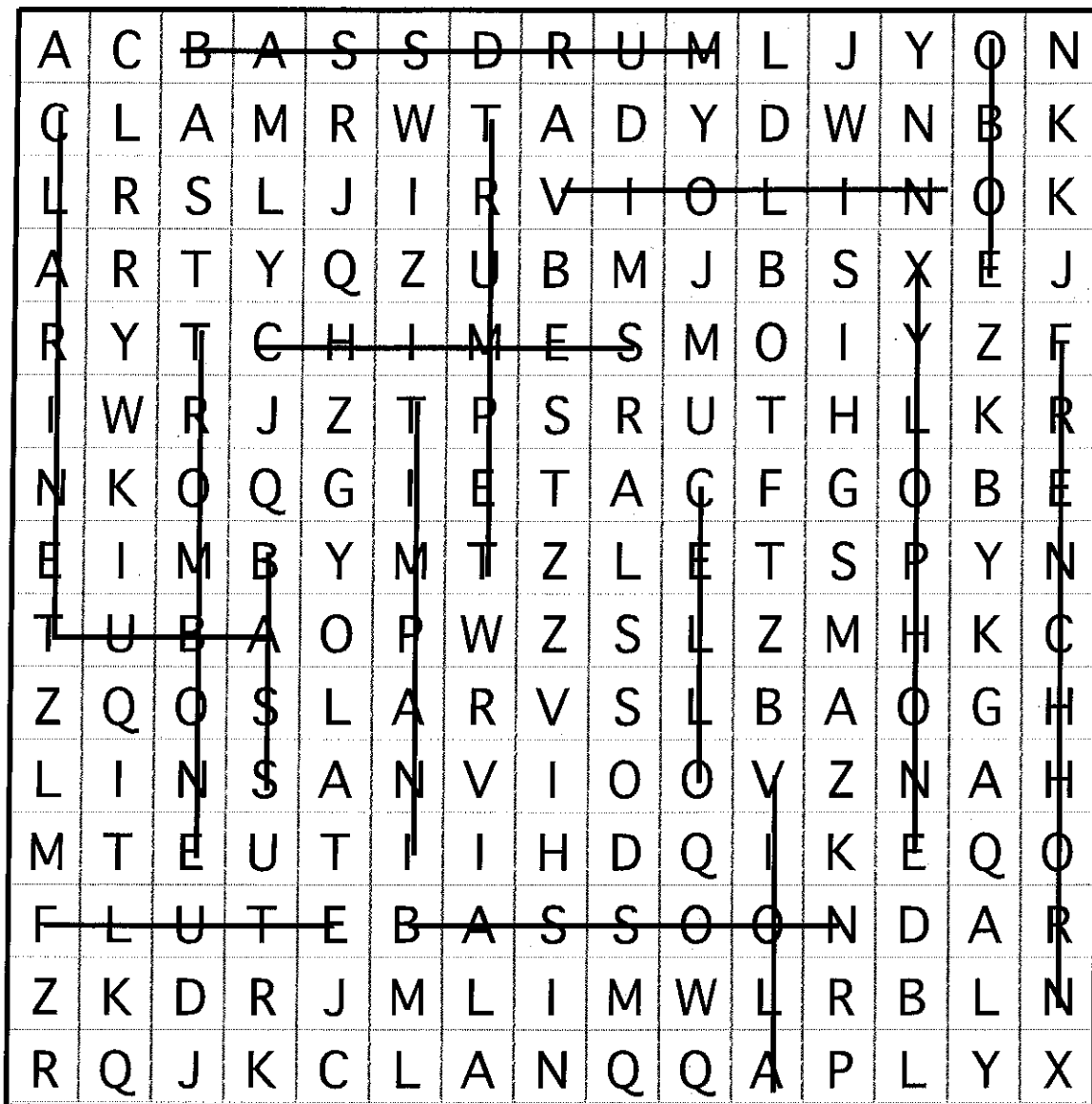


Word Bank

- | | | | |
|------------------------------------|--------------------------------------|-----------------------------------|------------------------------------|
| <input type="checkbox"/> BASS | <input type="checkbox"/> CHIMES | <input type="checkbox"/> OBOE | <input type="checkbox"/> TUBA |
| <input type="checkbox"/> BASS DRUM | <input type="checkbox"/> CLARINET | <input type="checkbox"/> TIMPANI | <input type="checkbox"/> VIOLA |
| <input type="checkbox"/> BASSOON | <input type="checkbox"/> FLUTE | <input type="checkbox"/> TROMBONE | <input type="checkbox"/> VIOLIN |
| <input type="checkbox"/> CELLO | <input type="checkbox"/> FRENCH HORN | <input type="checkbox"/> TRUMPET | <input type="checkbox"/> XYLOPHONE |

Musical Instruments Word Search - Easier

ANSWER KEY



Word Bank

- | | | | |
|------------------------------------|--------------------------------------|-----------------------------------|------------------------------------|
| <input type="checkbox"/> BASS | <input type="checkbox"/> CHIMES | <input type="checkbox"/> OBOE | <input type="checkbox"/> TUBA |
| <input type="checkbox"/> BASS DRUM | <input type="checkbox"/> CLARINET | <input type="checkbox"/> TIMPANI | <input type="checkbox"/> VIOLA |
| <input type="checkbox"/> BASSOON | <input type="checkbox"/> FLUTE | <input type="checkbox"/> TROMBONE | <input type="checkbox"/> VIOLIN |
| <input type="checkbox"/> CELLO | <input type="checkbox"/> FRENCH HORN | <input type="checkbox"/> TRUMPET | <input type="checkbox"/> XYLOPHONE |

Name _____

Musical Instruments Word Search

(More Difficult)

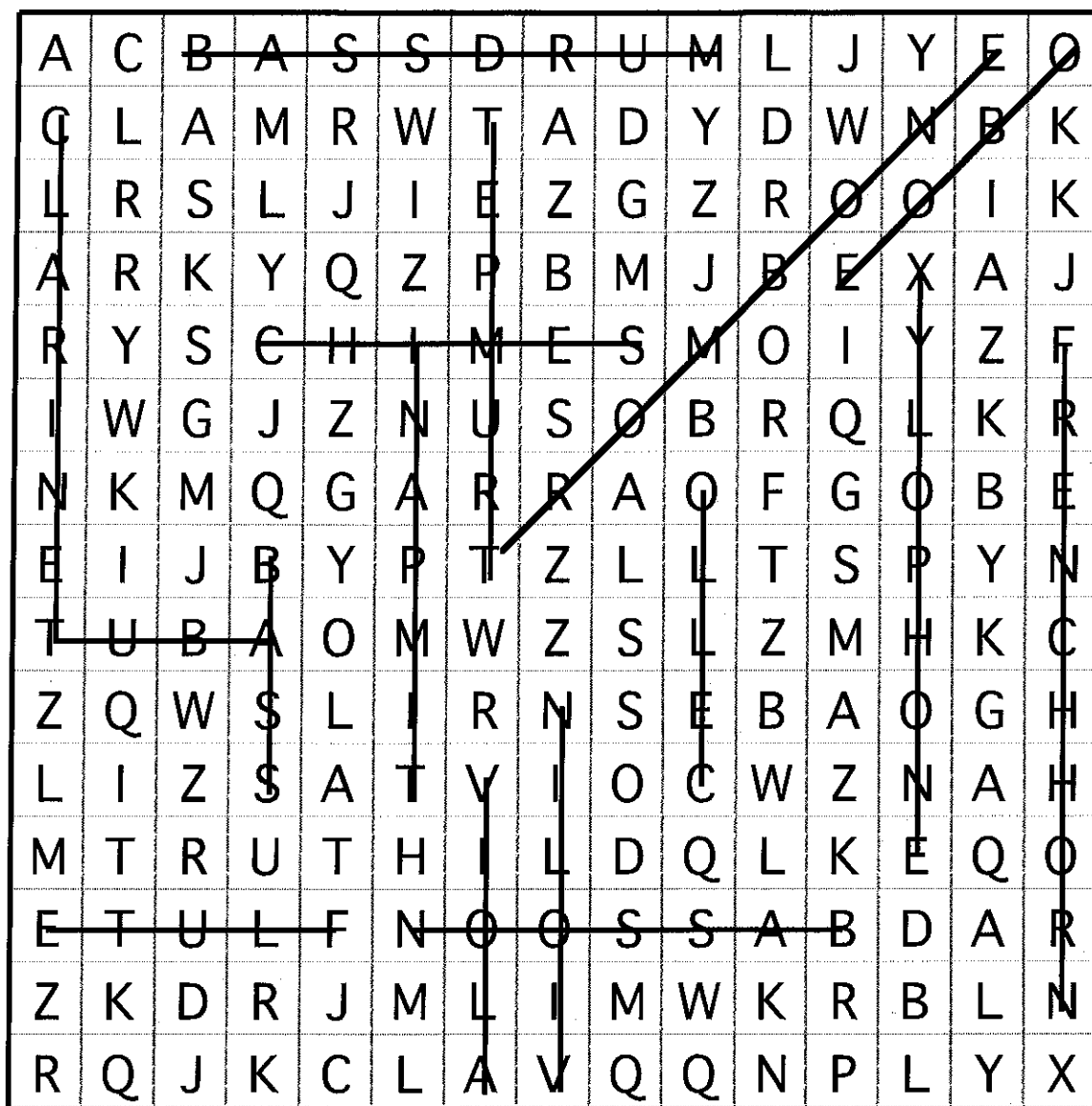
A	C	B	A	S	S	D	R	U	M	L	J	Y	E	O
C	L	A	M	R	W	T	A	D	Y	D	W	N	B	K
L	R	S	L	J	I	E	Z	G	Z	R	O	O	I	K
A	R	K	Y	Q	Z	P	B	M	J	B	E	X	A	J
R	Y	S	C	H	I	M	E	S	M	O	I	Y	Z	F
I	W	G	J	Z	N	U	S	O	B	R	Q	L	K	R
N	K	M	Q	G	A	R	R	A	O	F	G	O	B	E
E	I	J	B	Y	P	T	Z	L	L	T	S	P	Y	N
T	U	B	A	O	M	W	Z	S	L	Z	M	H	K	C
Z	Q	W	S	L	I	R	N	S	E	B	A	O	G	H
L	I	Z	S	A	T	V	I	O	C	W	Z	N	A	H
M	T	R	U	T	H	I	L	D	Q	L	K	E	Q	O
E	T	U	L	F	N	O	O	S	S	A	B	D	A	R
Z	K	D	R	J	M	L	I	M	W	K	R	B	L	N
R	Q	J	K	C	L	A	V	Q	Q	N	P	L	Y	X

Word Bank

- | | | | |
|------------------------------------|--------------------------------------|-----------------------------------|------------------------------------|
| <input type="checkbox"/> BASS | <input type="checkbox"/> CHIMES | <input type="checkbox"/> OBOE | <input type="checkbox"/> TUBA |
| <input type="checkbox"/> BASS DRUM | <input type="checkbox"/> CLARINET | <input type="checkbox"/> TIMPANI | <input type="checkbox"/> VIOLA |
| <input type="checkbox"/> BASSOON | <input type="checkbox"/> FLUTE | <input type="checkbox"/> TROMBONE | <input type="checkbox"/> VIOLIN |
| <input type="checkbox"/> CELLO | <input type="checkbox"/> FRENCH HORN | <input type="checkbox"/> TRUMPET | <input type="checkbox"/> XYLOPHONE |

Musical Instruments Word Search - More Difficult

ANSWER KEY



Word Bank

- | | | | |
|------------------------------------|--------------------------------------|-----------------------------------|------------------------------------|
| <input type="checkbox"/> BASS | <input type="checkbox"/> CHIMES | <input type="checkbox"/> OBOE | <input type="checkbox"/> TUBA |
| <input type="checkbox"/> BASS DRUM | <input type="checkbox"/> CLARINET | <input type="checkbox"/> TIMPANI | <input type="checkbox"/> VIOLA |
| <input type="checkbox"/> BASSOON | <input type="checkbox"/> FLUTE | <input type="checkbox"/> TROMBONE | <input type="checkbox"/> VIOLIN |
| <input type="checkbox"/> CELLO | <input type="checkbox"/> FRENCH HORN | <input type="checkbox"/> TRUMPET | <input type="checkbox"/> XYLOPHONE |

Name _____

Musical Math (difficult)

1. If there are 96 students in the orchestra and 50% of the students are boys and 50% are girls, how many boys and how many girls make up the orchestra?

2. This is the breakdown of the 96-member orchestra:

Section	# of players
Violin	32
Viola	11
Cello	12
Bass	3
Flute	5
Oboe	4
Clarinet	4
Bassoon	3
French Horn	5
Trumpet	5
Trombone	5
Tuba	2
Percussion	5
Total	96

- a. What percentage plays the violin? _____
- b. What fraction plays the cello? _____
- c. What fraction is in the string family? _____
- d. Why do you think there are more string instruments than any other family in the orchestra?

- e. What fraction plays woodwind instruments? _____

- f. If everyone submitted their names into a lucky number drawing, with the prize being ice cream for their instrument section (all playing the same instrument), which instrument section has the least chance of winning?

- g. How many students should be added to the orchestra to make percentages easier to figure out?

3. What is the average number of students in each instrument family? (Round to the nearest whole number.)

strings = _____ woodwinds = _____ brass = _____ percussion = _____

4. Each student in the orchestra has a private music teacher. If each teacher charges \$30 for a 30-minute lesson, and all the students had a **one-hour** lesson last Saturday, how much **total** money did the parents spend on lessons last Saturday?

Musical Math - ANSWER KEY (difficult)

1. If there are 96 students in the orchestra and 50% of the students are boys and 50% are girls, how many boys and how many girls make up the orchestra?

48 students are boys and 48 are girls.

2. This is the breakdown of the 96-member orchestra:

Section	# of players
Violin	32
Viola	11
Cello	12
Bass	3
Flute	5
Oboe	4
Clarinet	4
Bassoon	3
French Horn	5
Trumpet	5
Trombone	5
Tuba	2
Percussion	5
Total	96

- a. What percentage plays the violin? 33.3%
- b. What fraction plays the cello? 1/8
- c. What fraction is in the string family? 58/96 = 29/48
- d. Why do you think there are more string instruments than any other family in the orchestra?

String instruments are softer, so you need more

of them so they can be heard.

- e. What fraction plays woodwind instruments? 1/6
- f. If everyone submitted their names into a lucky number drawing, with the prize being ice cream for their instrument section (all playing the same instrument), which instrument section has the least chance of winning?

The tuba section

- g. How many students should be added to the orchestra to make percentages easier to figure out?

4 students should be added to make the total 100.

3. What is the average number of students in each instrument family? (Round to the nearest whole number.)

strings = 15 woodwinds = 4 brass = 4 percussion = 5

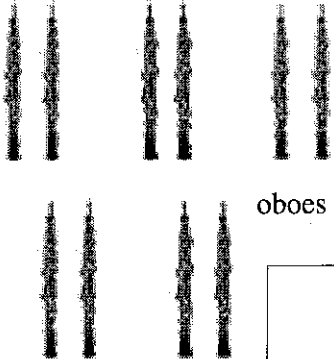
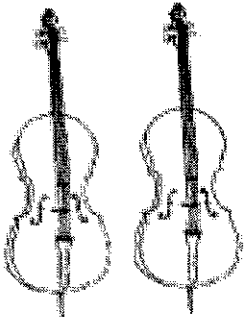
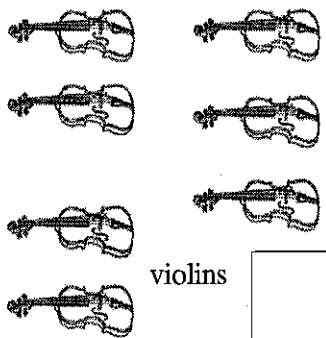
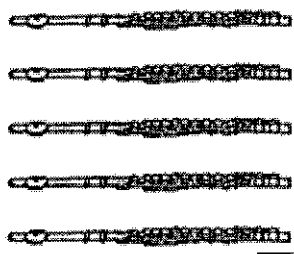
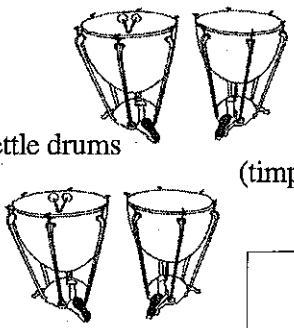
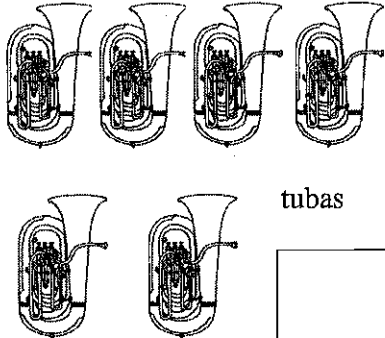
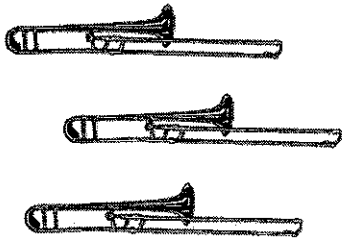
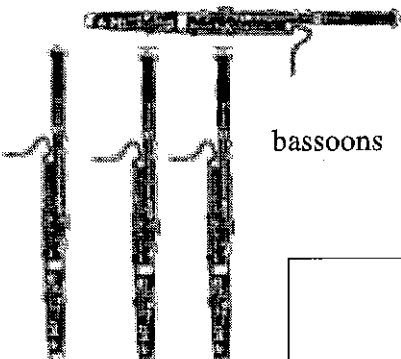
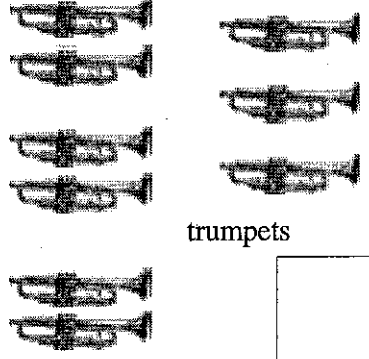
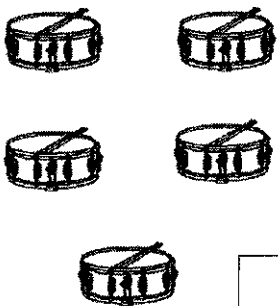
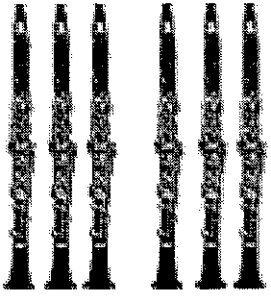
4. Each student in the orchestra has a private music teacher. If each teacher charges \$30 for a 30-minute lesson, and all the students had a **one-hour** lesson last Saturday, how much **total** money did the parents spend on lessons last Saturday?

The parents spent \$5,760 on lessons last Saturday!

Name _____

Counting Instruments

Count the instruments. Write the correct number in each box.

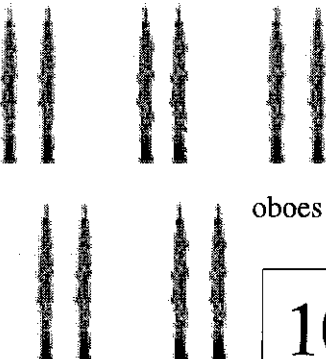
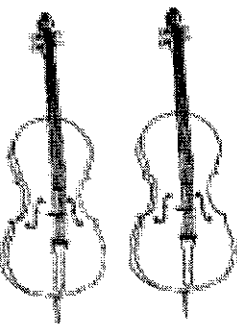
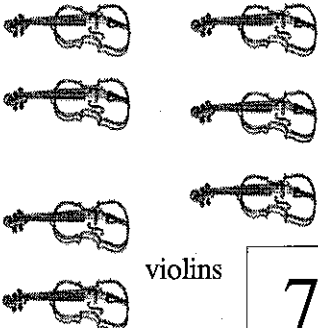
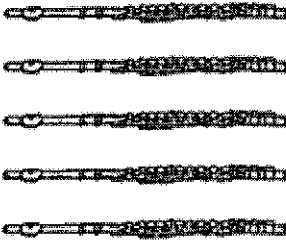
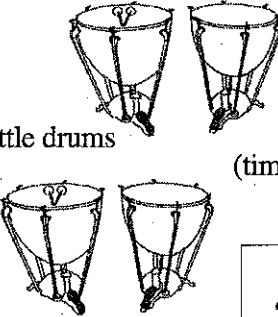
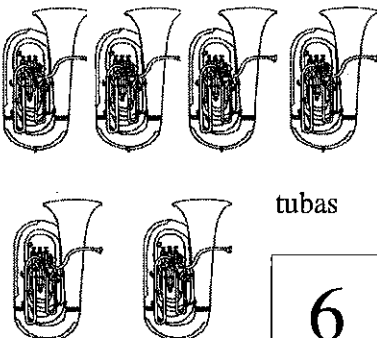
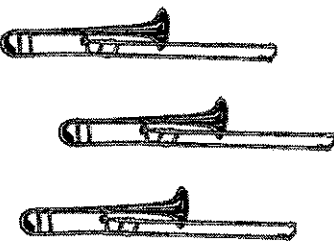
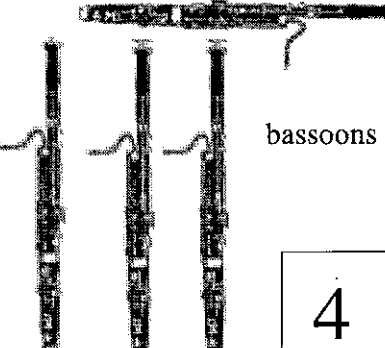
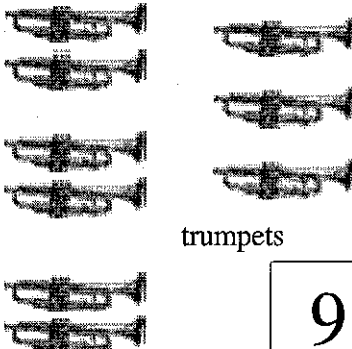
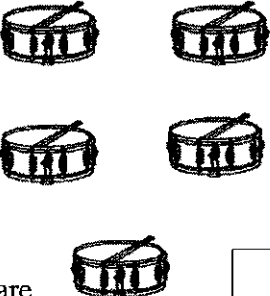
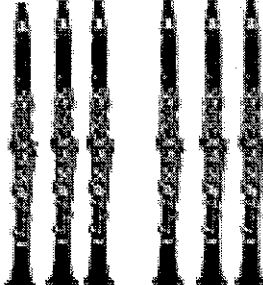
 <p>oboes</p> <div></div>	 <p>cellos</p> <div></div>	 <p>violins</p> <div></div>
 <p>flutes</p> <div></div>	 <p>kettle drums (timpani)</p> <div></div>	 <p>tubas</p> <div></div>
 <p>trombones</p> <div></div>	 <p>bassoons</p> <div></div>	 <p>trumpets</p> <div></div>
 <p>5</p>	 <p>clarinets</p> <div></div>	<p>Draw your own!</p> <div></div>

Name _____

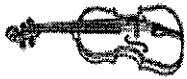
Counting Instruments

ANSWER KEY

Count the instruments. Write the correct number in each box.

 <p>oboes</p> <div>10</div>	 <p>cellos</p> <div>2</div>	 <p>violins</p> <div>7</div>
 <p>flutes</p> <div>5</div>	 <p>kettle drums (timpani)</p> <div>4</div>	 <p>tubas</p> <div>6</div>
 <p>trombones</p> <div>3</div>	 <p>bassoons</p> <div>4</div>	 <p>trumpets</p> <div>9</div>
 <p>snare drums</p> <div>5</div>	 <p>clarinets</p> <div>6</div>	<p>Draw your own!</p> <div></div>

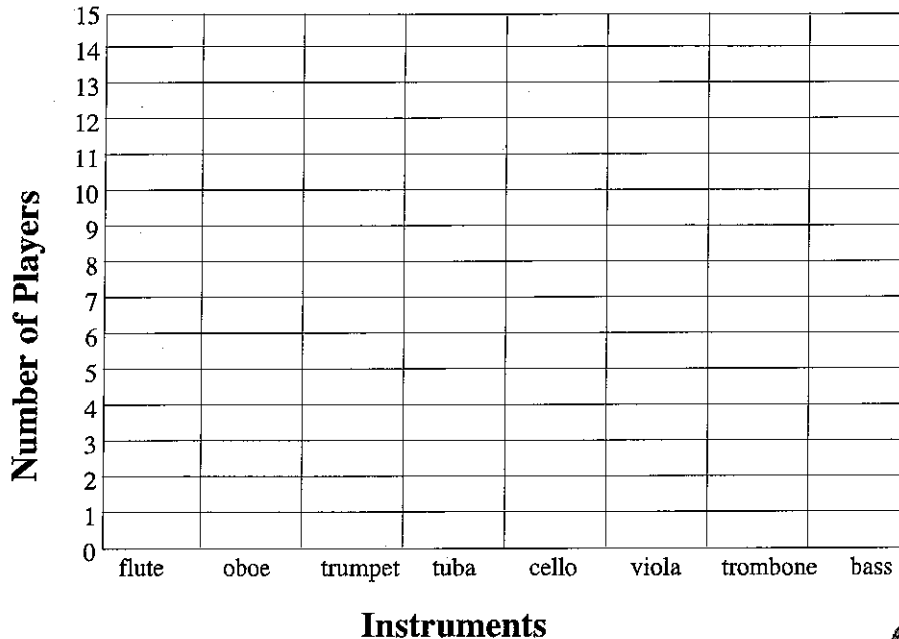
Name _____



Musical Graph

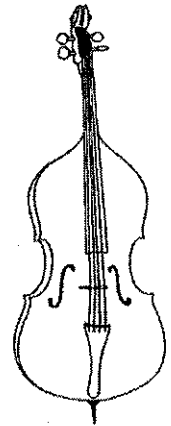
Use the chart's data to complete the bar graph below. Use a different color for each instrument. Then use the graph to answer the questions.

Musicians in the Orchestra

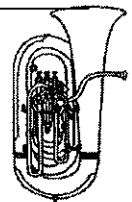


Who's in the orchestra?

Instruments	# of players
Violin	32
Viola	11
Cello	12
Bass	3
Flute	5
Oboe	4
Clarinet	4
Bassoon	3
French Horn	5
Trumpet	5
Trombone	5
Tuba	2
Percussion	5
Total	96



1. There are 96 musicians in the orchestra. How many play the viola? _____
2. Which instrument (on the graph) has the most number of players? _____
3. Which instrument has the least number of players? _____
4. How many musicians play the trumpet? _____
5. What are the instruments that have same number of players? _____



6. Why do you think there needs to be more viola and cello players than tuba players in an orchestra?

Bonus points: Label the instruments!

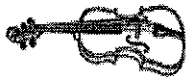
flute
tuba

oboe
cello

trombone
bass

trumpet
violin

Name _____



violin

Musical Graph

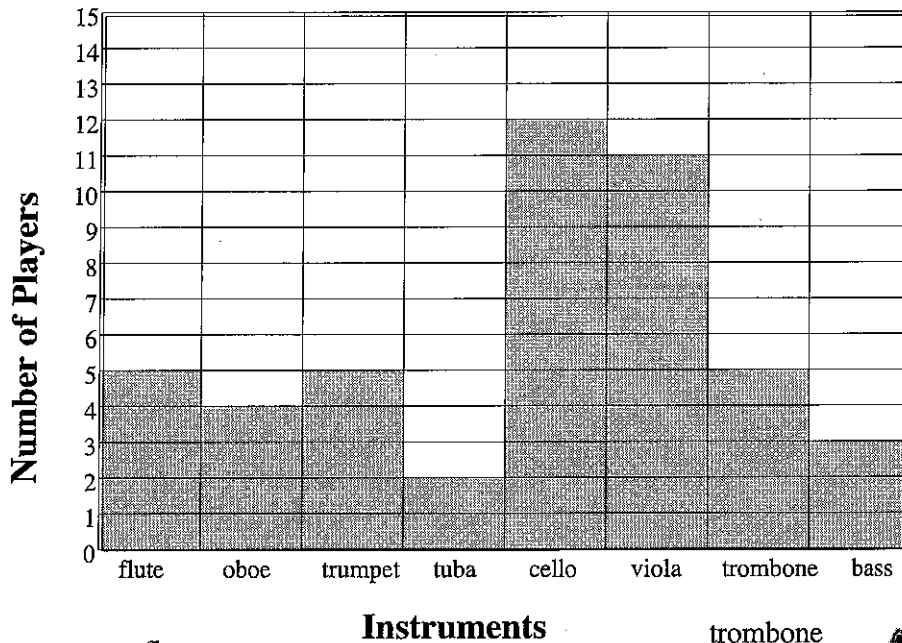
ANSWER KEY

Use the chart's data to complete the bar graph below. Use a different color for each instrument. Then **use the graph** to answer the questions.

oboe



Musicians in the Orchestra



flute



Instruments

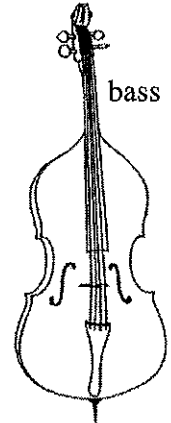
trombone



cello



bass



- There are 96 musicians in the orchestra. How many play the viola? 11
- Which instrument (on the graph) has the most number of players? cello
- Which instrument has the least number of players? tuba
- How many musicians play the trumpet? 5
- What are the instruments that have same number of players?

flute, trumpet and trombone

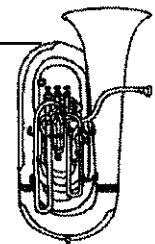
- Why do you think there needs to be more viola and cello players than tuba players in an orchestra?

Violas and cellos (string instruments) are sound softer than a tuba (brass instrument).

so you need more of them to hear them in an orchestra.



trumpet



tuba

Bonus points: Label the instruments!

flute
tuba

oboe
cello

trombone
bass

trumpet
violin

Who's in the orchestra?

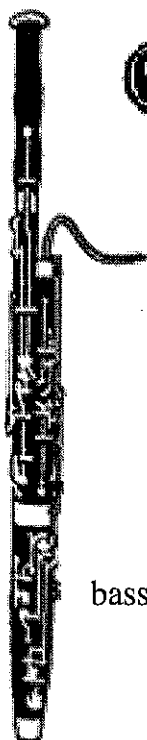
Instruments	# of players
Violin	32
Viola	11
Cello	12
Bass	3
Flute	5
Oboe	4
Clarinet	4
Bassoon	3
French Horn	5
Trumpet	5
Trombone	5
Tuba	2
Percussion	5
Total	96

Name _____

Musical Measuring



violin



bassoon



trombone



trumpet



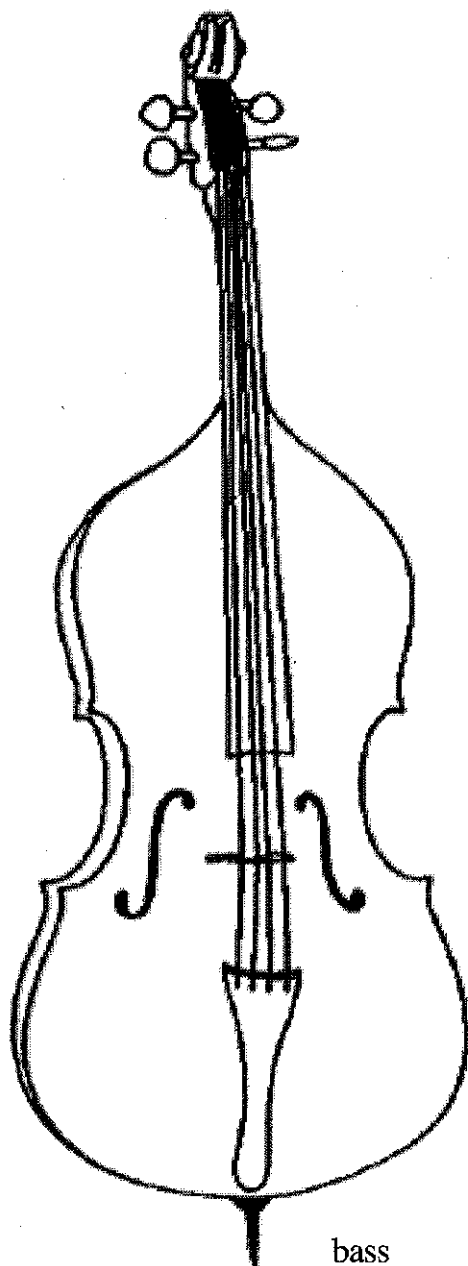
oboe



flute



clarinet



bass

Measure these pictures of instruments in inches (to the nearest half-inch). How long or tall are they?

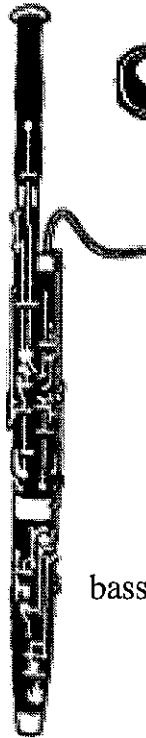
- 1) bassoon = _____
- 2) trombone = _____
- 3) trumpet = _____
- 4) oboe = _____
- 5) flute = _____
- 6) clarinet = _____
- 7) bass = _____
- 8) violin = _____

Name _____

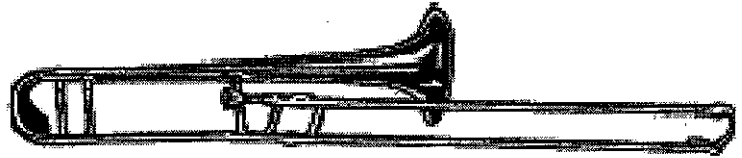
Musical Measuring - ANSWER KEY



violin



bassoon



trombone



trumpet



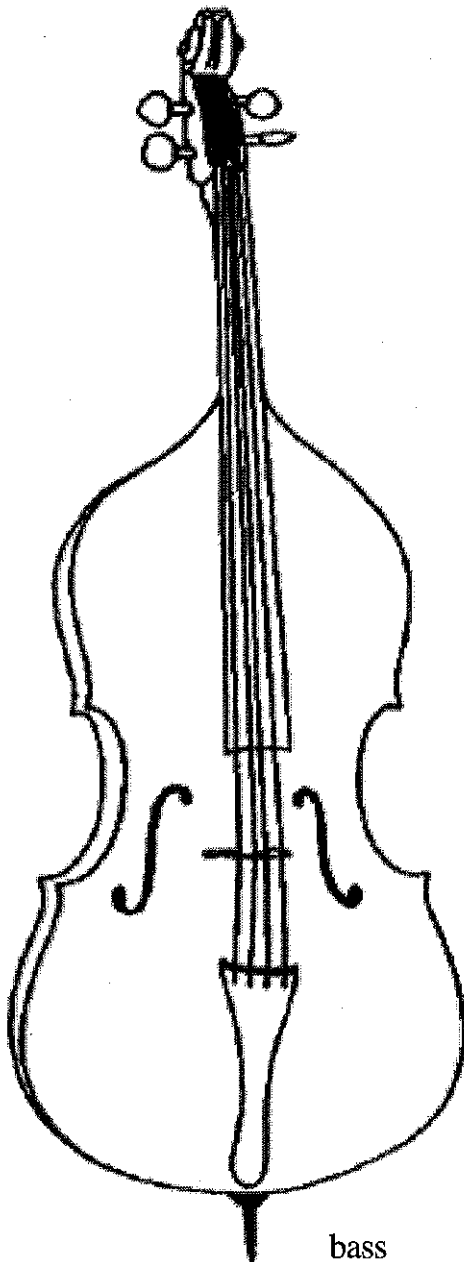
oboe



flute



clarinet



bass

Measure these pictures of instruments in inches (to the nearest half-inch). How long or tall are they?

1) bassoon = 4 inches

2) clarinet = 2 1/2 inches

3) trumpet = 2 inches

4) oboe = 2 1/2 inches

5) violin = 1 inches

6) trombone = 4 inches

7) bass = 7 inches

8) flute = 2 1/2 inches

Name _____

Musical Riddles - Addition I

Solve each problem. Shade the boxes with the sums. Then write the letters from the shaded boxes in order in the blanks and you will have the answer to each riddle.

1. What instruments do skeletons play?

$$\begin{array}{r} 7 \\ + 7 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ + 5 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ + 8 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ + 3 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ + 5 \\ \hline \end{array} \quad \begin{array}{r} 0 \\ + 35 \\ \hline \end{array} \quad \begin{array}{r} 11 \\ + 1 \\ \hline \end{array}$$

7	13	18	4	16	12	9	15	11	2	35	71	14
XO	TH	SN	EYP	GZI	LA	YTR	HKS	OM	LKJ	BO	YIS	NES

Answer: _____

2. Why did the clarinetist go to school?

$$\begin{array}{r} 3 \\ + 24 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ + 6 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ + 9 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ + 5 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ + 7 \\ \hline \end{array} \quad \begin{array}{r} 11 \\ + 6 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ + 2 \\ \hline \end{array}$$

13	17	15	27	11	18	12	22	10	6	16	14	17
TOL	JKE	LSL	EAR	EEN	NHO	WT	JSO	NB	OR	ZVC	E	ED

Answer: _____ " _____ "

3. A violinist was locked out of her house. Why did she need a piano?

$$\begin{array}{r} 3 \\ + 8 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ + 9 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ + 4 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ + 5 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ + 7 \\ \hline \end{array} \quad \begin{array}{r} 11 \\ + 8 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ + 4 \\ \hline \end{array}$$

12	15	31	8	16	2	10	14	5	11	7	19	25
POI	SH	NY	ENE	EDE	SSS	DT	OGE	OIY	TAK	T7Y	EY	NWQ

Answer: _____

Name _____

Musical Riddles - Addition I

ANSWER KEY

Solve each problem. Shade the boxes with the sums. Then write the letters from the shaded boxes in order in the blanks and you will have the answer to each riddle.

1. What instruments do skeletons play?

$\begin{array}{r} 7 \\ + 7 \\ \hline 14 \end{array}$	$\begin{array}{r} 6 \\ + 5 \\ \hline 11 \end{array}$	$\begin{array}{r} 5 \\ + 8 \\ \hline 13 \end{array}$	$\begin{array}{r} 1 \\ + 3 \\ \hline 4 \end{array}$	$\begin{array}{r} 4 \\ + 5 \\ \hline 9 \end{array}$	$\begin{array}{r} 0 \\ + 35 \\ \hline 35 \end{array}$	$\begin{array}{r} 11 \\ + 1 \\ \hline 12 \end{array}$
--	--	--	---	---	---	---

7	13	18	4	16	12	9	15	11	2	35	71	14
XO	TH	SN	EYP	GZI	LA	YTR	HKS	OM	LKJ	BO	YIS	NES

Answer: THEY PLAY TROMBONES.

2. Why did the clarinetist go to school?

$\begin{array}{r} 3 \\ + 24 \\ \hline 27 \end{array}$	$\begin{array}{r} 8 \\ + 6 \\ \hline 14 \end{array}$	$\begin{array}{r} 9 \\ + 9 \\ \hline 18 \end{array}$	$\begin{array}{r} 7 \\ + 5 \\ \hline 12 \end{array}$	$\begin{array}{r} 6 \\ + 7 \\ \hline 13 \end{array}$	$\begin{array}{r} 11 \\ + 6 \\ \hline 17 \end{array}$	$\begin{array}{r} 4 \\ + 2 \\ \hline 6 \end{array}$
---	--	--	--	--	---	---

13	17	15	27	11	18	12	22	10	6	16	14	17
TOL	JKE	LSL	EAR	EEN	NHO	WT	JSO	NB	OR	ZVC	E	ED

Answer: TO LEARN TO "REED"

3. A violinist was locked out of her house. Why did she need a piano?

$\begin{array}{r} 3 \\ + 8 \\ \hline 11 \end{array}$	$\begin{array}{r} 7 \\ + 9 \\ \hline 16 \end{array}$	$\begin{array}{r} 6 \\ + 4 \\ \hline 10 \end{array}$	$\begin{array}{r} 9 \\ + 5 \\ \hline 14 \end{array}$	$\begin{array}{r} 8 \\ + 7 \\ \hline 15 \end{array}$	$\begin{array}{r} 11 \\ + 8 \\ \hline 19 \end{array}$	$\begin{array}{r} 4 \\ + 4 \\ \hline 8 \end{array}$
--	--	--	--	--	---	---

12	15	31	8	16	2	10	14	5	11	7	19	25
POI	SH	NY	ENE	EDE	SSS	DT	OGE	OIY	TAK	T7Y	EY	NWQ

Answer: SHE NEEDED TO GET A KEY.

Name _____

Musical Riddles - Addition II

Solve each problem. Shade the boxes with the sums. Then write the letters from the shaded boxes in order in the blanks and you will have the answer to each riddle.

1. What instruments do skeletons play?

$$\begin{array}{r} 29 \\ + 9 \\ \hline \end{array} \quad \begin{array}{r} 44 \\ + 5 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ + 66 \\ \hline \end{array} \quad \begin{array}{r} 31 \\ + 23 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ + 76 \\ \hline \end{array} \quad \begin{array}{r} 28 \\ + 12 \\ \hline \end{array} \quad \begin{array}{r} 54 \\ + 14 \\ \hline \end{array}$$

21	38	61	74	99	82	40	88	49	9	54	36	68
XO	TH	SN	EYP	GZI	LA	YTR	HKS	OM	LKJ	BO	YIS	NES

Answer: _____.

2. Why did the clarinetist go to school?

$$\begin{array}{r} 54 \\ + 35 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ + 18 \\ \hline \end{array} \quad \begin{array}{r} 18 \\ + 33 \\ \hline \end{array} \quad \begin{array}{r} 44 \\ + 44 \\ \hline \end{array} \quad \begin{array}{r} 19 \\ + 16 \\ \hline \end{array} \quad \begin{array}{r} 54 \\ + 16 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ + 2 \\ \hline \end{array}$$

88	17	56	27	72	35	70	22	93	6	49	51	89
TOL	JKE	LSL	EAR	EEN	NHO	WT	JSO	NB	OR	ZVC	E	ED

Answer: _____ "_____".

3. A violinist was locked out of her house. Why did she need a piano?

$$\begin{array}{r} 18 \\ + 47 \\ \hline \end{array} \quad \begin{array}{r} 18 \\ + 4 \\ \hline \end{array} \quad \begin{array}{r} 12 \\ + 45 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ + 19 \\ \hline \end{array} \quad \begin{array}{r} 33 \\ + 38 \\ \hline \end{array} \quad \begin{array}{r} 25 \\ + 18 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ + 51 \\ \hline \end{array}$$

12	57	31	65	55	33	28	22	37	43	9	71	81
POI	SH	NYN	ENE	EDE	SSS	DT	OGE	OIY	TAK	T7Y	EY	NWQ

Answer: _____.

Name _____

Musical Riddles - Addition II

ANSWER KEY

Solve each problem. Shade the boxes with the sums. Then write the letters from the shaded boxes in order in the blanks and you will have the answer to each riddle.

1. What instruments do skeletons play?

$\begin{array}{r} 29 \\ + 9 \\ \hline 38 \end{array}$	$\begin{array}{r} 44 \\ + 5 \\ \hline 49 \end{array}$	$\begin{array}{r} 8 \\ + 66 \\ \hline 74 \end{array}$	$\begin{array}{r} 31 \\ + 23 \\ \hline 54 \end{array}$	$\begin{array}{r} 6 \\ + 76 \\ \hline 82 \end{array}$	$\begin{array}{r} 28 \\ + 22 \\ \hline 50 \end{array}$	$\begin{array}{r} 54 \\ + 14 \\ \hline 68 \end{array}$
---	---	---	--	---	--	--

21	38	61	74	99	82	40	88	49	9	54	36	68
XO	TH	SN	EYP	GZI	LA	YTR	HKS	OM	LKJ	BO	YIS	NES

Answer: THEY PLAY TROMBONES.

2. Why did the clarinetist go to school?

$\begin{array}{r} 54 \\ + 35 \\ \hline 89 \end{array}$	$\begin{array}{r} 9 \\ + 18 \\ \hline 27 \end{array}$	$\begin{array}{r} 18 \\ + 33 \\ \hline 51 \end{array}$	$\begin{array}{r} 44 \\ + 44 \\ \hline 88 \end{array}$	$\begin{array}{r} 19 \\ + 16 \\ \hline 35 \end{array}$	$\begin{array}{r} 54 \\ + 16 \\ \hline 70 \end{array}$	$\begin{array}{r} 4 \\ + 2 \\ \hline 6 \end{array}$
--	---	--	--	--	--	---

88	17	56	27	72	35	70	22	93	6	49	51	89
TOL	JKE	LSL	EAR	EEN	NHO	WT	JSO	NB	OR	ZVC	E	ED

Answer: TO LEARN TO "REED"

3. A violinist was locked out of her house. Why did she need a piano?

$\begin{array}{r} 18 \\ + 47 \\ \hline 65 \end{array}$	$\begin{array}{r} 18 \\ + 4 \\ \hline 22 \end{array}$	$\begin{array}{r} 12 \\ + 45 \\ \hline 57 \end{array}$	$\begin{array}{r} 9 \\ + 19 \\ \hline 28 \end{array}$	$\begin{array}{r} 33 \\ + 38 \\ \hline 71 \end{array}$	$\begin{array}{r} 25 \\ + 18 \\ \hline 43 \end{array}$	$\begin{array}{r} 4 \\ + 51 \\ \hline 55 \end{array}$
--	---	--	---	--	--	---

12	57	31	65	55	33	28	22	37	43	9	71	81
POI	SH	NY	ENE	EDE	SSS	DT	OGE	OY	TAK	T/Y	EY	NWQ

Answer: SHE NEEDED TO GET A KEY.

Name _____

Musical Riddles - Multiplication I

Solve each problem. Shade the boxes with the products. Then write the letters from the shaded boxes, in order, in the blanks. You will have the answer to each riddle.

1. What instruments do skeletons play?

$$\begin{array}{r} 7 \\ \times 7 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ \times 5 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ \times 8 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ \times 3 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ \times 5 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ \times 7 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ \times 3 \\ \hline \end{array}$$

55	27	72	56	12	9	40	42	49	23	20	71	30
XO	TH	SN	EYP	GZI	LA	YTR	HKS	OM	LKJ	BO	YIS	NES

Answer: _____

2. Why did the clarinetist go to school?

$$\begin{array}{r} 3 \\ \times 7 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ \times 6 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ \times 9 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ \times 5 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ \times 7 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ \times 6 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ \times 2 \\ \hline \end{array}$$

48	10	55	12	11	81	21	68	18	42	16	35	8
TOL	JKE	LSL	EAR	EEN	NHO	WT	JSO	NB	OR	ZVC	E	ED

Answer: _____ " _____ "

3. A violinist was locked out of her house. Why did she need a piano?

$$\begin{array}{r} 3 \\ \times 8 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ \times 9 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ \times 4 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ \times 5 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ \times 4 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ \times 6 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ \times 4 \\ \hline \end{array}$$

12	45	31	24	16	2	18	63	5	28	7	32	25
POI	SH	NY	ENE	EDE	SSS	DT	OGE	OIY	TAK	T7Y	EY	NWQ

Answer: _____

Name _____

Musical Riddles - Multiplication I

ANSWER KEY

Solve each problem. Shade the boxes with the products. Then write the letters from the shaded boxes, in order, in the blanks. You will have the answer to each riddle.

1. What instruments do skeletons play?

$\begin{array}{r} 7 \\ \times 7 \\ \hline 49 \end{array}$	$\begin{array}{r} 6 \\ \times 5 \\ \hline 30 \end{array}$	$\begin{array}{r} 5 \\ \times 8 \\ \hline 40 \end{array}$	$\begin{array}{r} 3 \\ \times 3 \\ \hline 9 \end{array}$	$\begin{array}{r} 4 \\ \times 5 \\ \hline 20 \end{array}$	$\begin{array}{r} 8 \\ \times 7 \\ \hline 56 \end{array}$	$\begin{array}{r} 9 \\ \times 3 \\ \hline 27 \end{array}$
---	---	---	--	---	---	---

55	27	72	56	12	9	40	42	49	23	20	71	30
XO	TH	SN	EYP	GZI	LA	YTR	HKS	OM	LKJ	BO	YIS	NES

Answer: THEY PLAY TROMBONES.

2. Why did the clarinetist go to school?

$\begin{array}{r} 3 \\ \times 7 \\ \hline 21 \end{array}$	$\begin{array}{r} 8 \\ \times 6 \\ \hline 48 \end{array}$	$\begin{array}{r} 9 \\ \times 9 \\ \hline 81 \end{array}$	$\begin{array}{r} 7 \\ \times 5 \\ \hline 35 \end{array}$	$\begin{array}{r} 6 \\ \times 7 \\ \hline 42 \end{array}$	$\begin{array}{r} 2 \\ \times 6 \\ \hline 12 \end{array}$	$\begin{array}{r} 4 \\ \times 2 \\ \hline 8 \end{array}$
---	---	---	---	---	---	--

48	10	55	12	11	81	21	68	18	42	16	35	8
TOL	JKE	LSL	EAR	EEN	NHO	WT	JSO	NB	OR	ZVC	E	ED

Answer: TO LEARN TO "REED"

3. A violinist was locked out of her house. Why did she need a piano?

$\begin{array}{r} 3 \\ \times 8 \\ \hline 24 \end{array}$	$\begin{array}{r} 7 \\ \times 9 \\ \hline 63 \end{array}$	$\begin{array}{r} 7 \\ \times 4 \\ \hline 28 \end{array}$	$\begin{array}{r} 9 \\ \times 5 \\ \hline 45 \end{array}$	$\begin{array}{r} 8 \\ \times 4 \\ \hline 32 \end{array}$	$\begin{array}{r} 3 \\ \times 6 \\ \hline 18 \end{array}$	$\begin{array}{r} 4 \\ \times 4 \\ \hline 16 \end{array}$
---	---	---	---	---	---	---

12	45	31	24	16	2	18	63	5	28	7	32	25
POI	SH	NYN	ENE	EDE	SSS	DT	OGE	OIY	TAK	TTY	EY	NWQ

Answer: SHE NEEDED TO GET A KEY.