

Major and Perfect Interval Basics

Intervals which occur between the tonic note of a scale and each degree of that scale may be described as **perfect (P)** or **major (M)**.

P1	M2	M3	P4	P5	M6	M7	P8
Perfect Unison	Major 2nd	Major 3rd	Perfect 4th	Perfect 5th	Major 6th	Major 7th	Perfect Octave

unison 1 whole step 2 whole steps 2 1/2 whole steps 3 1/2 whole steps 4 1/2 whole steps 5 1/2 whole steps 6 whole steps

Name each interval. Make sure to indicate if it is major (M) or perfect (P).

Examples

M3 P5 P4 M2 M3 M6

1

— — — — — —

2

— — — — — —

3

— — — — — —

4

— — — — — —

5

— — — — — —

Minor Interval Basics

A **minor** interval is created by *decreasing* a major interval by 1/2 step.

Examples

M3 Major 3rd m3 minor 3rd M3 Major 3rd m3 minor 3rd

Interval	Step Count
m2 (minor 2nd)	1 half step
M2 (Major 2nd)	1 whole step
m3 (minor 3rd)	1-1/2 whole steps
M3 (Major 3rd)	2 whole steps
m6 (minor 6th)	4 whole steps
M6 (Major 6th)	4-1/2 whole steps
m7 (minor 7th)	5 whole steps
M7 (Major 7th)	5-1/2 whole steps

Name each interval. Make sure to indicate if it is major (M) or minor (m).

Examples

m3 M6 m6 m3 m7 m2

1

2

3

4

Diminished Interval Basics

A **diminished** interval is created by decreasing a perfect interval or a minor interval by 1/2 step.

Examples

m3 minor 3rd dim 3 diminished 3rd P5 Perfect 5th dim 5 diminished 5th

dim 2 dim 3 dim 4 dim 5 dim 6 dim 7 dim 8

unison 1 whole step 2 whole steps 3 whole steps 3-1/2 whole steps 4-1/2 whole steps 5-1/2 whole steps

Name each interval. Make sure to indicate if it is diminished (dim), perfect (P) or minor (m).

Examples

dim 5 P4 dim 8 dim 3 m2 dim 6

1

— — — — — —

2

— — — — — —

3

— — — — — —

4

— — — — — —

Augmented Interval Basics

An **augmented** interval is created by *increasing* a perfect interval *or* a major interval by 1/2 step.

Examples

	M3	aug 3	P5	aug 5
	Major 3rd	augmented 3rd	Perfect 5th	augmented 5th

aug 1	aug 2	aug 3	aug 4	aug 5	aug 6	aug 7	aug 8
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Name each interval. Make sure to indicate if it is augmented (aug), perfect (P) or Major (M).

P5	aug 5	aug 4	aug 1	aug 8	P4

1					
—	—	—	—	—	—

2					
—	—	—	—	—	—

3					
—	—	—	—	—	—

4					
—	—	—	—	—	—

Intervals I

In music, an **interval** is the distance between two notes.

A **melodic interval** is the distance between two notes which are played one at a time.

A **harmonic interval** is the distance between two notes which are played at the same time.

Melodic Intervals

Harmonic Intervals

The interval between two identical notes is called a **unison**.

The interval of an eighth is called an **octave**.

1. Identify the following intervals as melodic (M) or harmonic (H).

2. Name these melodic intervals.

3. Name these harmonic intervals.

4. Write the indicated harmonic interval above the given note.

5. Write the indicated harmonic interval above the given note.

Intervals II

Use this chart to help complete the exercises below.

1. Name these harmonic intervals.

2. Name these melodic intervals.

3. Name these intervals.

4. Write the indicated harmonic interval above the given note.

5. Write the indicated harmonic interval *below* the given note.

6. Write the indicated harmonic interval above the given note.

Intervals III

Identify the intervals used in these exercises.
Name the melodic intervals used in the treble clef
and the harmonic intervals used in the bass clef.

A musical example in 4/4 time. The treble clef contains a melodic line with notes G4, A4, B4, C5, B4, A4, G4. The intervals between these notes are labeled as 3rd, 3rd, 3rd, 2nd, 3rd, and 2nd. The bass clef contains harmonic accompaniment with notes G3, B3, D4, F4, G4, B3, D4. The intervals between these notes are labeled as 3rd, 6th, and 3rd.

1.

Exercise 1: Treble clef has a melodic line of quarter notes: G4, A4, B4, C5, B4, A4, G4. Bass clef has harmonic accompaniment: G3, B3, D4, F4, G4, B3, D4.

2.

Exercise 2: Treble clef has a melodic line of quarter notes: G4, A4, B4, C5, B4, A4, G4. Bass clef has harmonic accompaniment: G3, B3, D4, F4, G4, B3, D4.

3.

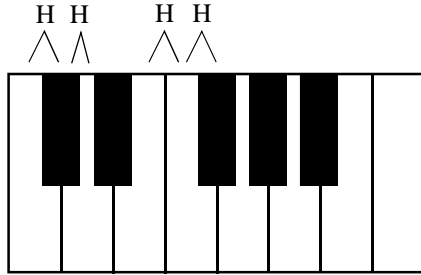
Exercise 3: Treble clef has a melodic line of quarter notes: G4, A4, B4, C5, B4, A4, G4. Bass clef has harmonic accompaniment: G3, B3, D4, F4, G4, B3, D4.

4.

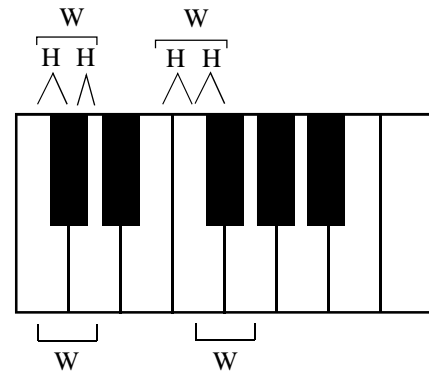
Exercise 4: Treble clef has a melodic line of quarter notes: G4, A4, B4, C5, B4, A4, G4. Bass clef has harmonic accompaniment: G3, B3, D4, F4, G4, B3, D4.

Half Steps and Whole Steps I

The **half step** (H) is the smallest interval used in traditional Western music. The piano keyboard is arranged in half steps; the distance between two adjacent keys on the piano is a half step.

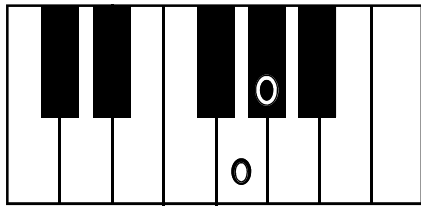


The **whole step** (W) is an interval made by combining two half steps.

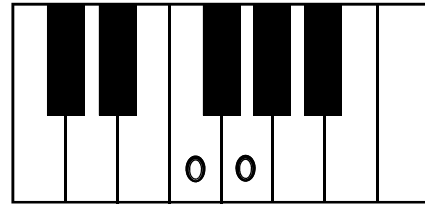


Using the keyboards below, write the interval (whole step or half step) that is created by the Os.

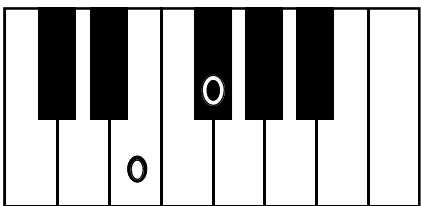
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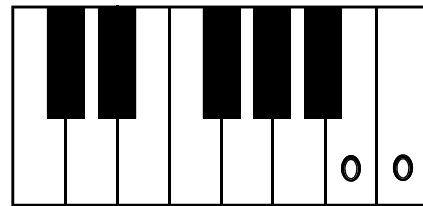
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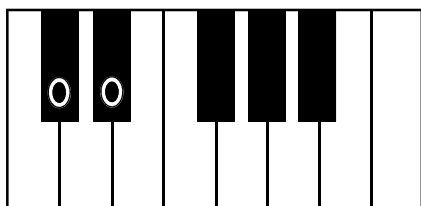
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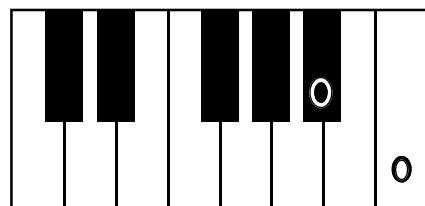
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5. _____



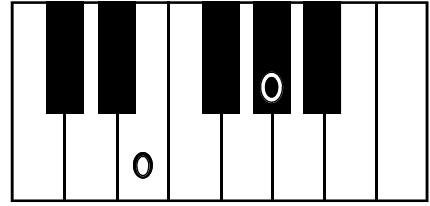
6. _____



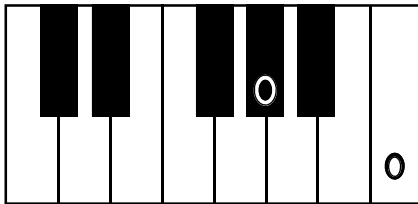
Half Steps and Whole Steps II

Example: 2 whole steps

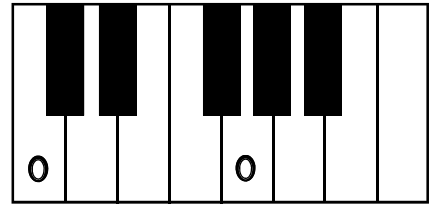
Using the keyboards below, write the interval in whole step and half steps that is created by the Os.



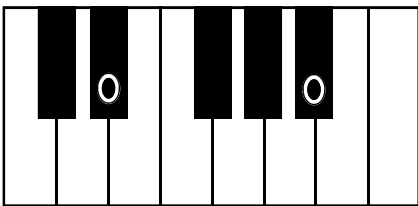
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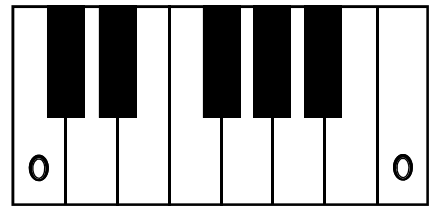
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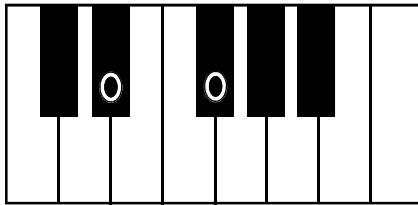
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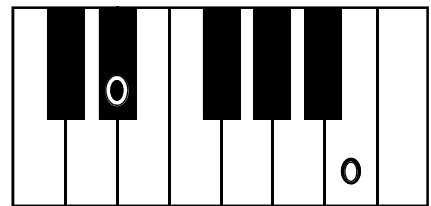
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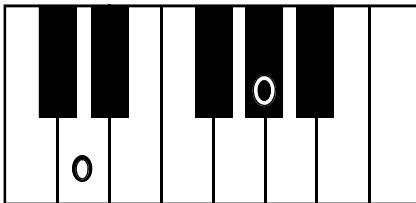
5. _____



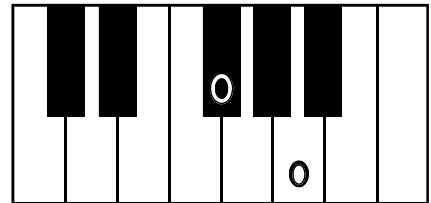
6. _____



7. _____



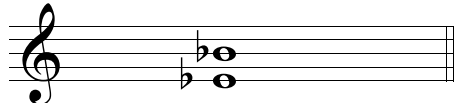
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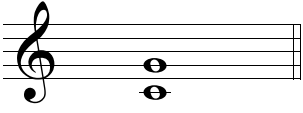


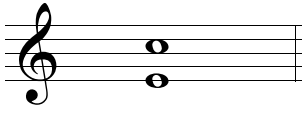
Major, Minor and Perfect Intervals I

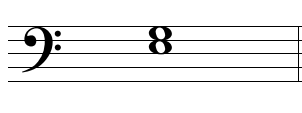
Name these intervals.

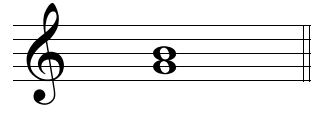
Use "M" for major intervals,
"m" for minor intervals and
"P" for perfect intervals.

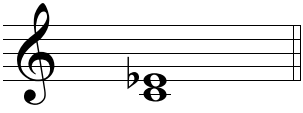
Example  **P5**

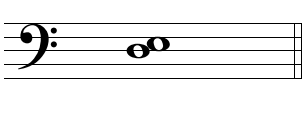
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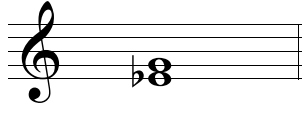
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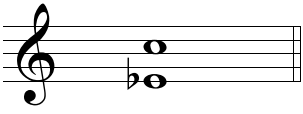
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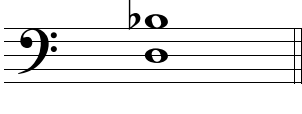
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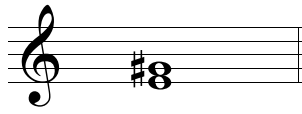
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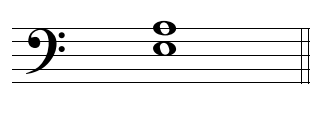
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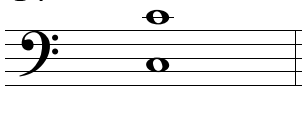
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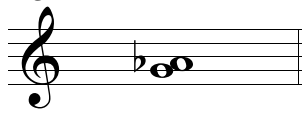
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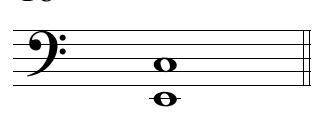
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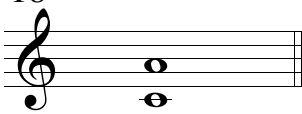
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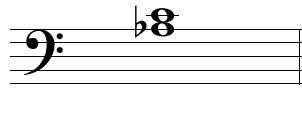
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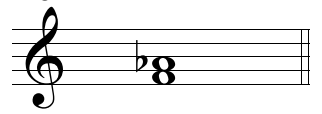
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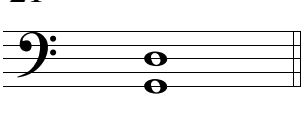
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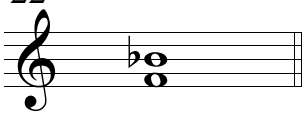
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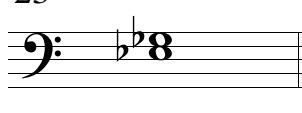
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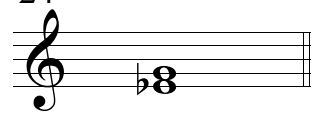
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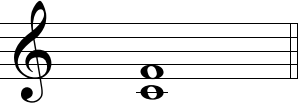
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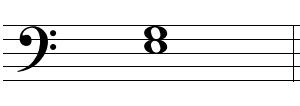
Major, Minor and Perfect Intervals II

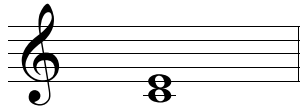
Name these intervals.

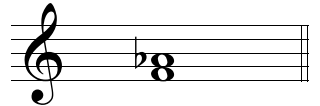
Use "M" for major intervals,
"m" for minor intervals and


Example 
M3


1 


2 


3 

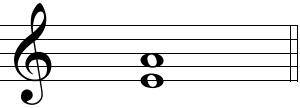
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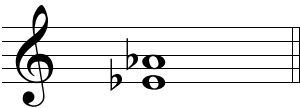
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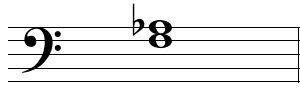
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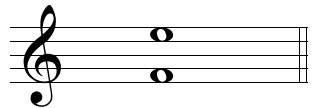
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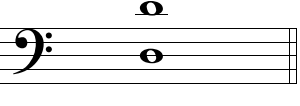
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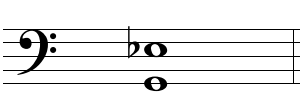
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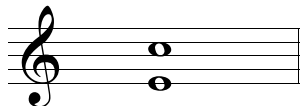
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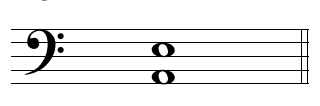
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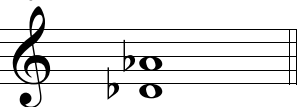
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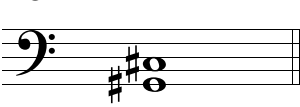
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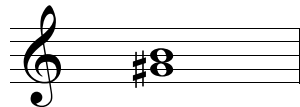
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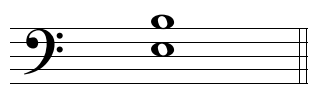
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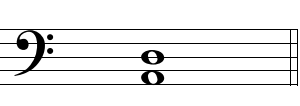
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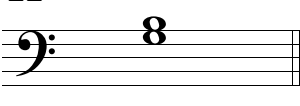
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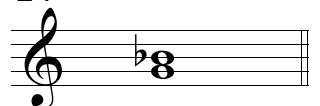
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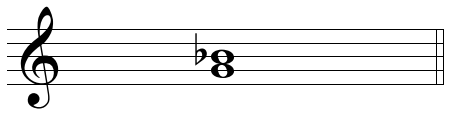
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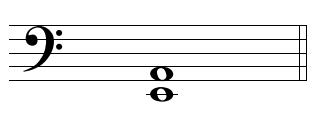
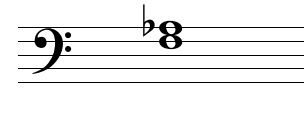
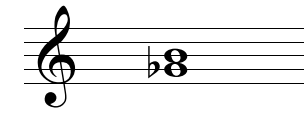
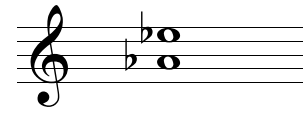

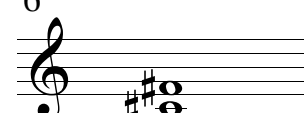

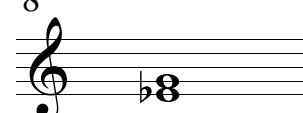


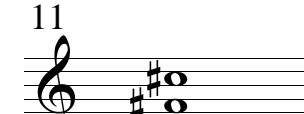
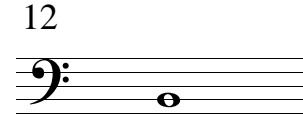
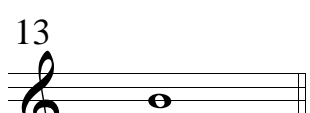
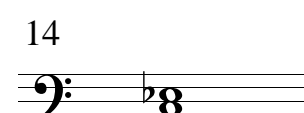
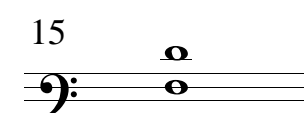
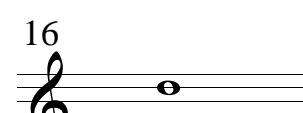

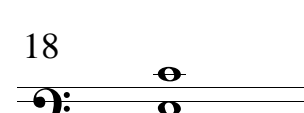
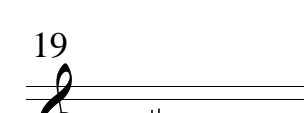
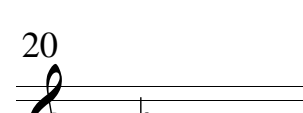


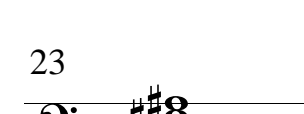

24 

Major, Minor and Perfect Intervals III

Name these intervals.

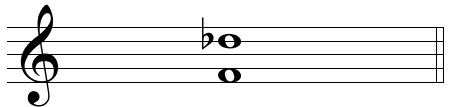
Use "M" for major intervals,
"m" for minor intervals and

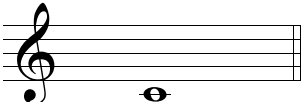
Example  **m3**

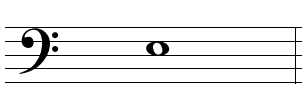
1  _____	2  _____	3  _____	4  _____
5  _____	6  _____	7  _____	8  _____
9  _____	10  _____	11  _____	12  _____
13  _____	14  _____	15  _____	16  _____
17  _____	18  _____	19  _____	20  _____
21  _____	22  _____	23  _____	24  _____

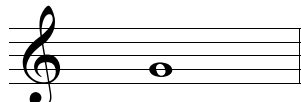
Major, Minor and Perfect Intervals IV

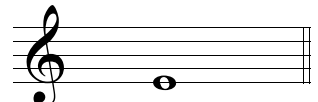
Write the note above the given note which completes the interval.

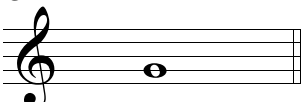
Example 
m6


1 
P5

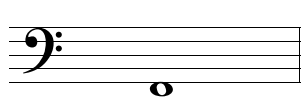
2 
m3


3 
M6

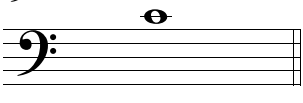
4 
m7


5 
M3

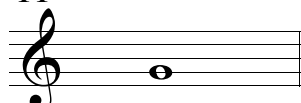
6 
M6

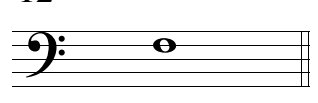
7 
P4

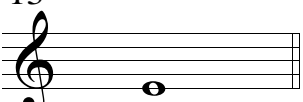
8 
M7

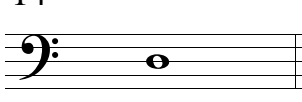
9 
m3

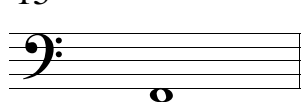
10 
P8

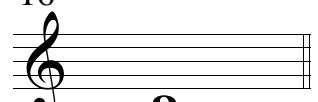
11 
m6

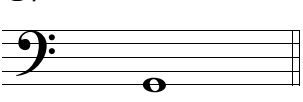
12 
P5

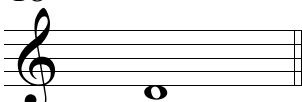
13 
M2

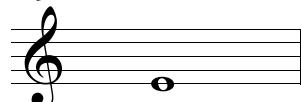
14 
P4


15 
M6

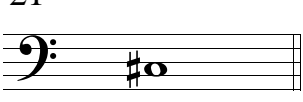
16 
m2


17 
M7

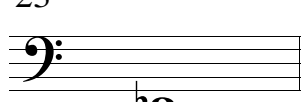
18 
m6

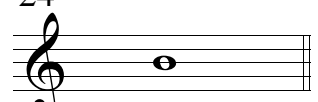
19 
P4

20 
M3

21 
M6

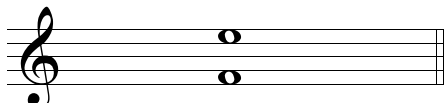
22 
P8

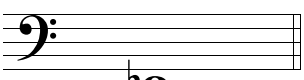
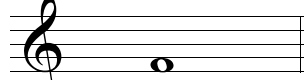
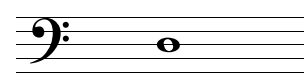

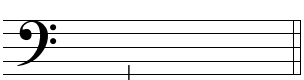
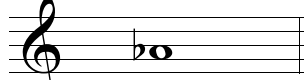

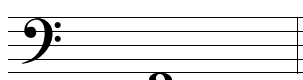

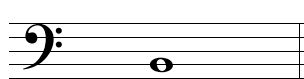
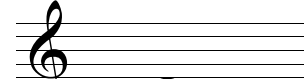


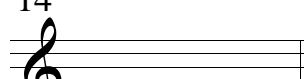
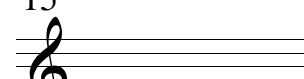
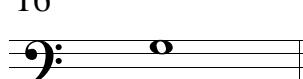
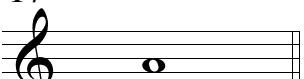
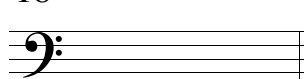
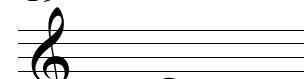
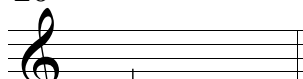
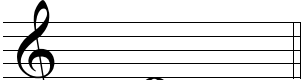
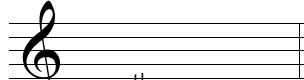

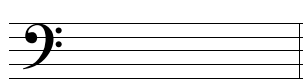
23 
m7

24 
M3

Major, Minor and Perfect Intervals V

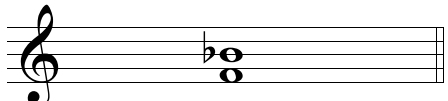
Write the note above the given note which completes the interval.

Example  M7

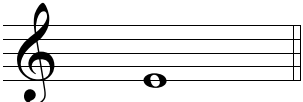
1  M6	2  m7	3  P4	4  P8
5  M7	6  m6	7  m7	8  m2
9  M3	10  M2	11  P4	12  m3
13  P4	14  m6	15  M7	16  P4
17  M6	18  M7	19  M3	20  m6
21  M7	22  M3	23  m6	24  M6

Major, Minor and Perfect Intervals VI

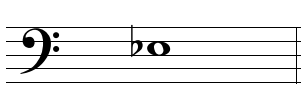
Write the note above the given note which completes the interval.

Example 

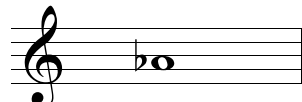
P4

1 

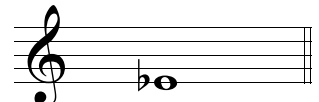
m7

2 


m3

3 

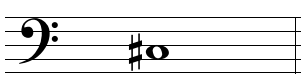
M7

4 


m7

5 


P4

6 

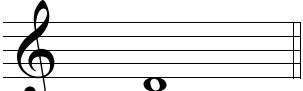
P5

7 

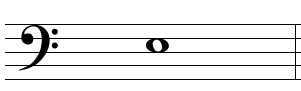
M3

8 

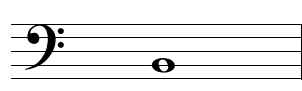
M6

9 

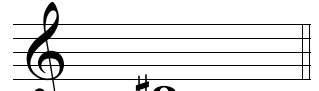
m6

10 

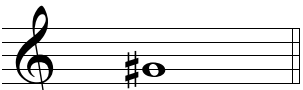
M7

11 


M2

12 


m7

13 


m6

14 

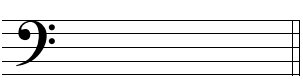
M7

15 

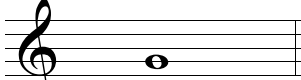
m6

16 

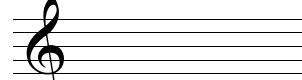
M3

17 

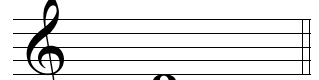
m7

18 


m2

19 


m7

20 

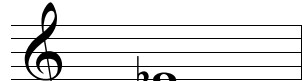
m3

21 


P4

22 

m6

23 

M7

24 

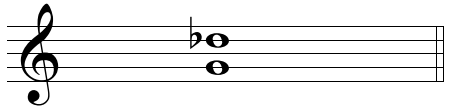
M3

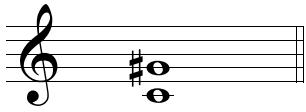
Chromatic Intervals I

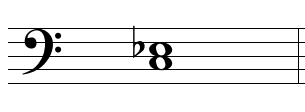
(Major, Minor, Perfect, Augmented and Diminished Intervals)

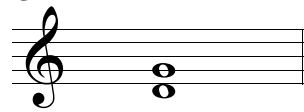
Name these intervals.


Use "M" for major intervals,
 "m" for minor intervals,
 "P" for perfect intervals,
 "dim" for diminished intervals and
 "Aug" for augmented intervals.

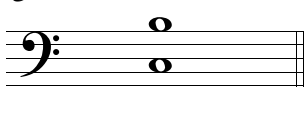
Example  **dim 5**

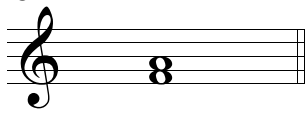
1 

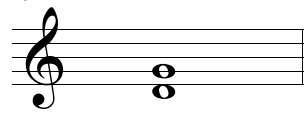
2 

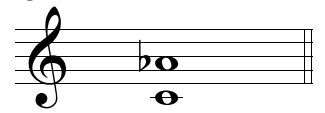
3 

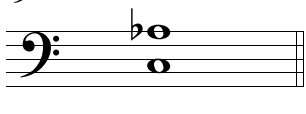
4 

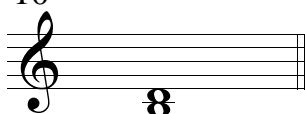
5 

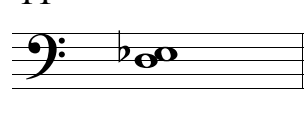
6 

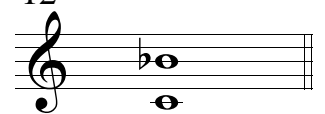
7 

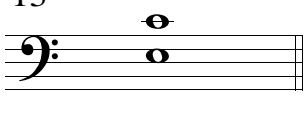
8 

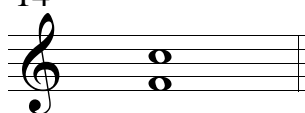
9 

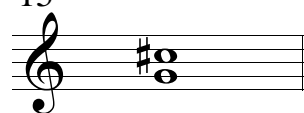
10 

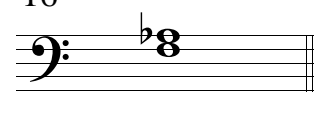
11 

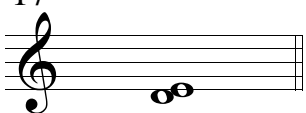
12 


13 

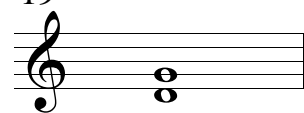
14 

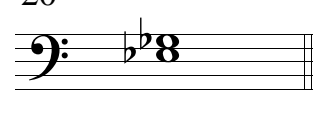
15 

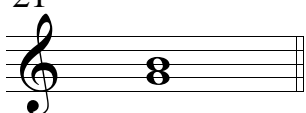
16 

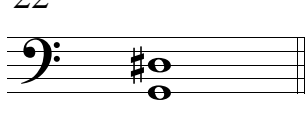
17 

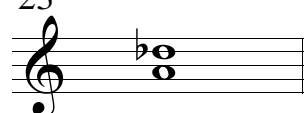
18 

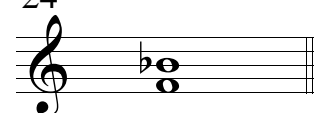
19 

20 

21 

22 

23 

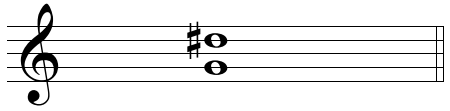
24 

Chromatic Intervals II

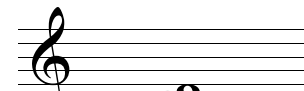
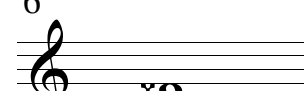

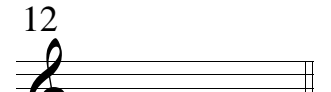

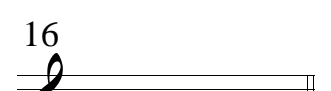





(Major, Minor, Perfect, Augmented and Diminished Intervals)

Name these intervals.

Use "M" for major intervals,
 "m" for minor intervals,
 "P" for perfect intervals,
 "dim" for diminished intervals and
 "Aug" for augmented intervals.

Example 

Aug 5th

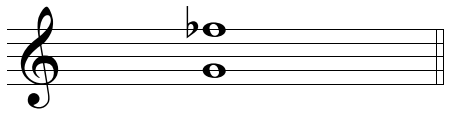
<p>1</p>  <p>_____</p>	<p>2</p>  <p>_____</p>	<p>3</p>  <p>_____</p>	<p>4</p>  <p>_____</p>
<p>5</p>  <p>_____</p>	<p>6</p>  <p>_____</p>	<p>7</p>  <p>_____</p>	<p>8</p>  <p>_____</p>
<p>9</p>  <p>_____</p>	<p>10</p>  <p>_____</p>	<p>11</p>  <p>_____</p>	<p>12</p>  <p>_____</p>
<p>13</p>  <p>_____</p>	<p>14</p>  <p>_____</p>	<p>15</p>  <p>_____</p>	<p>16</p>  <p>_____</p>
<p>17</p>  <p>_____</p>	<p>18</p>  <p>_____</p>	<p>19</p>  <p>_____</p>	<p>20</p>  <p>_____</p>
<p>21</p>  <p>_____</p>	<p>22</p>  <p>_____</p>	<p>23</p>  <p>_____</p>	<p>24</p>  <p>_____</p>

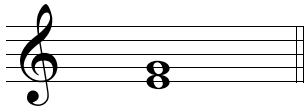
Chromatic Intervals III

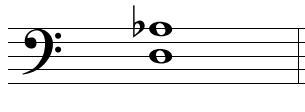
(Major, Minor, Perfect, Augmented and Diminished Intervals)

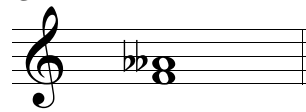
Name these intervals.

Use "M" for major intervals,
 "m" for minor intervals,
 "P" for perfect intervals,
 "dim" for diminished intervals and
 "Aug" for augmented intervals.

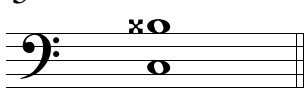
Example 
dim 7

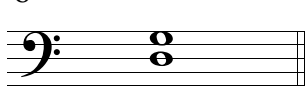
1 

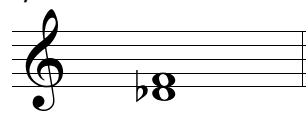
2 

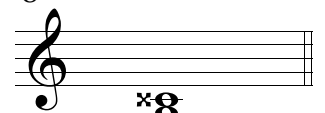
3 

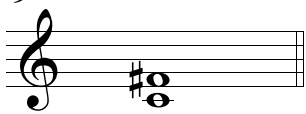
4 


5 

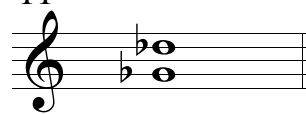
6 

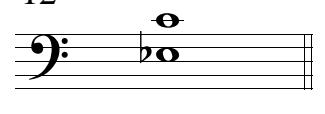
7 

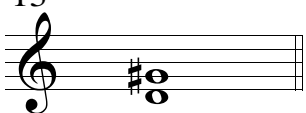
8 

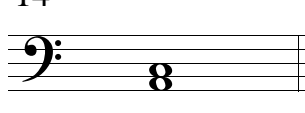
9 

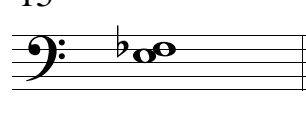
10 

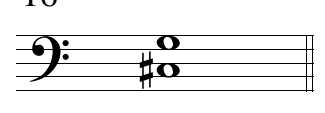
11 

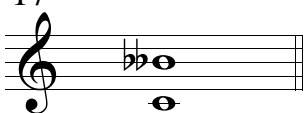
12 

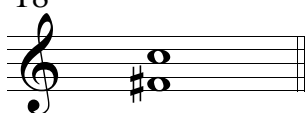
13 

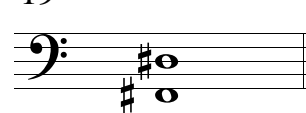
14 


15 

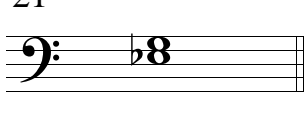
16 

17 

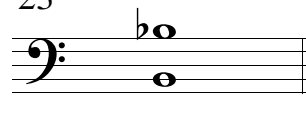
18 

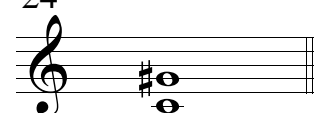
19 

20 

21 

22 

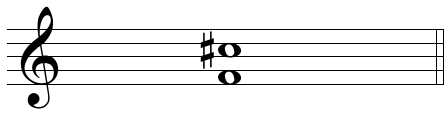
23 

24 

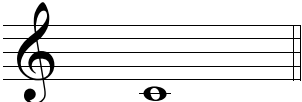
Chromatic Intervals IV

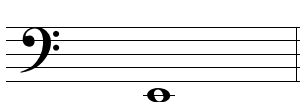
(Major, Minor, Perfect, Augmented and Diminished Intervals)

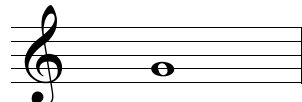
Write the note above the given note which completes the interval.

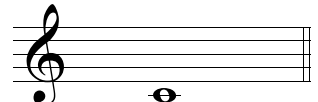
Example 

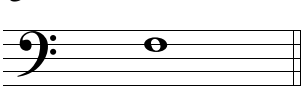
Aug 5

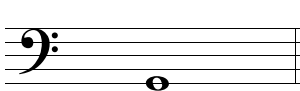
1 
M6


2 
M7


3 
m7

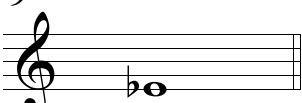
4 
dim 5

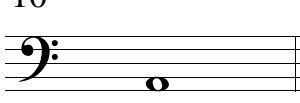
5 
m3

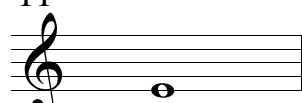
6 
dim 4

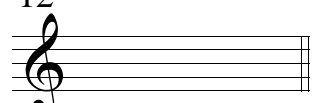
7 
M6


8 
P8

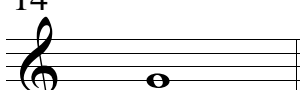
9 
M3


10 
Aug 5


11 
m6

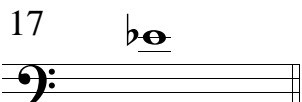
12 
M6

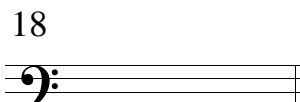
13 
M2

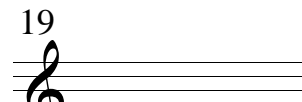
14 
m2

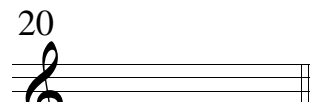
15 
m3

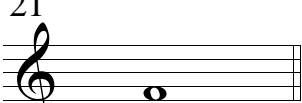
16 
m7

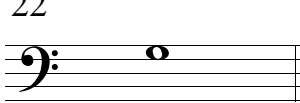
17 
M3

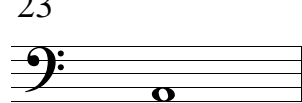
18 
Aug 4


19 
P5

20 
Aug 8

21 
P4

22 
M2


23 
m3

24 
M3



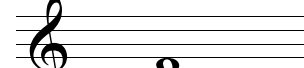

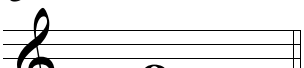
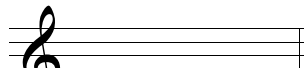
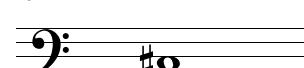
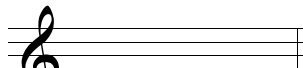

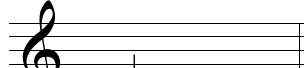
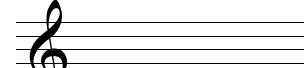
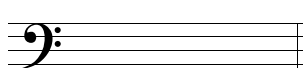
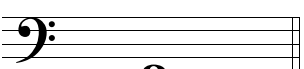
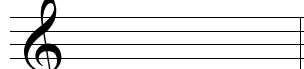

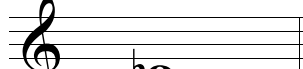
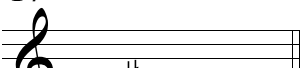
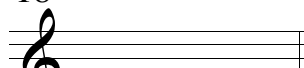

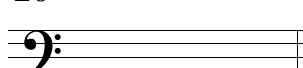
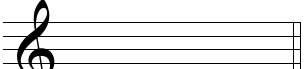
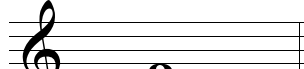

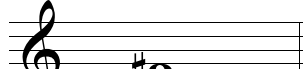
Chromatic Intervals V

(Major, Minor, Perfect, Augmented and Diminished Intervals)

Complete these intervals by writing a note above the given note.

Example 

dim 7

<p>1</p>  <p style="text-align: center;">Aug 3</p>	<p>2</p>  <p style="text-align: center;">M3</p>	<p>3</p>  <p style="text-align: center;">m6</p>	<p>4</p>  <p style="text-align: center;">dim 7</p>
<p>5</p>  <p style="text-align: center;">Aug 5</p>	<p>6</p>  <p style="text-align: center;">m7</p>	<p>7</p>  <p style="text-align: center;">M3</p>	<p>8</p>  <p style="text-align: center;">Aug 7</p>
<p>9</p>  <p style="text-align: center;">dim 5</p>	<p>10</p>  <p style="text-align: center;">M6</p>	<p>11</p>  <p style="text-align: center;">Aug 5</p>	<p>12</p>  <p style="text-align: center;">dim 4</p>
<p>13</p>  <p style="text-align: center;">M7</p>	<p>14</p>  <p style="text-align: center;">Aug 5</p>	<p>15</p>  <p style="text-align: center;">m6</p>	<p>16</p>  <p style="text-align: center;">P4</p>
<p>17</p>  <p style="text-align: center;">m7</p>	<p>18</p>  <p style="text-align: center;">dim 8</p>	<p>19</p>  <p style="text-align: center;">dim 3</p>	<p>20</p>  <p style="text-align: center;">Aug 6</p>
<p>21</p>  <p style="text-align: center;">Aug 2</p>	<p>22</p>  <p style="text-align: center;">dim 6</p>	<p>23</p>  <p style="text-align: center;">M7</p>	<p>24</p>  <p style="text-align: center;">M6</p>

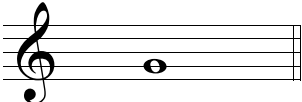
Chromatic Intervals VI

(Major, Minor, Perfect, Augmented and Diminished Intervals)

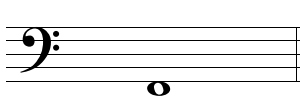
Write the note above the given note which completes the interval.

Example 


Aug 3

1 

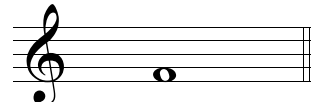
dim 5

2 

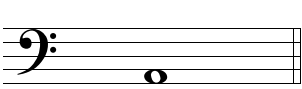
m7

3 

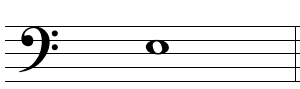
Aug 7

4 

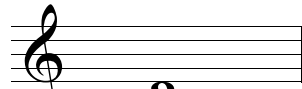
Aug 6

5 


dim 4

6 

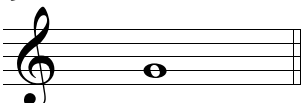
P4

7 

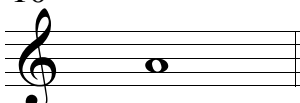
M6

8 

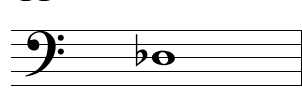
m3

9 


Aug 3

10 

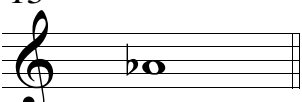
m6

11 

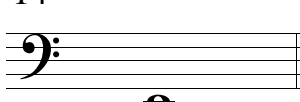
Aug 8

12 


P4

13 

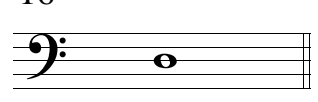
m7

14 

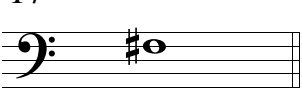
dim 8

15 

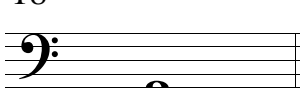
m3

16 

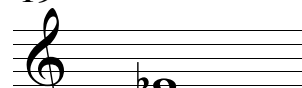
M6

17 


P5

18 

Aug 2

19 

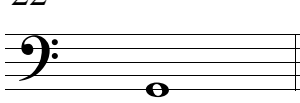
dim 2

20 

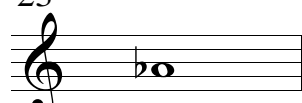
M7

21 

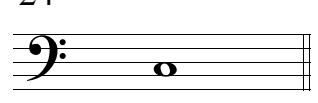
Aug 5

22 

m7

23 

Aug 4

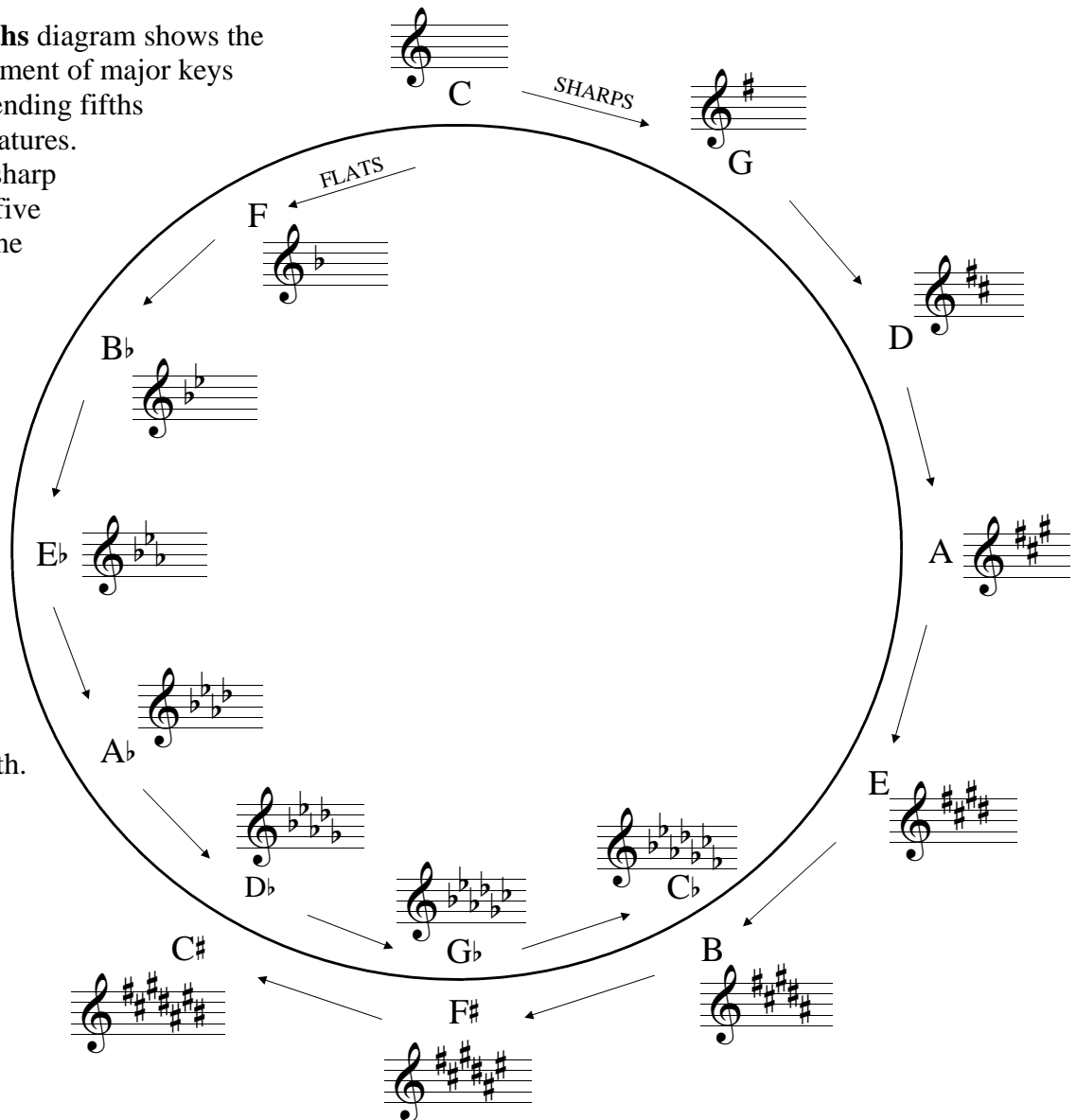
24 

dim 3

The Circle of Fifths I

The **Circle of Fifths** diagram shows the clockwise arrangement of major keys in an order of ascending fifths for sharp key signatures. With each added sharp the key advances five letter names and the tonic moves up a perfect fifth.

Flat keys are presented in an order of descending fifths. With each added flat the key moves back five letter names and the tonic moves down a perfect fifth.



1. Write the flats in the order in which they are added as you go around the circle of fifths.

B^b _____

2. Write the sharps in the order in which they are added as you go around the circle of fifths.

F[#] _____

3. Write the names of the keys with sharps in order as they appear on the circle of fifths.

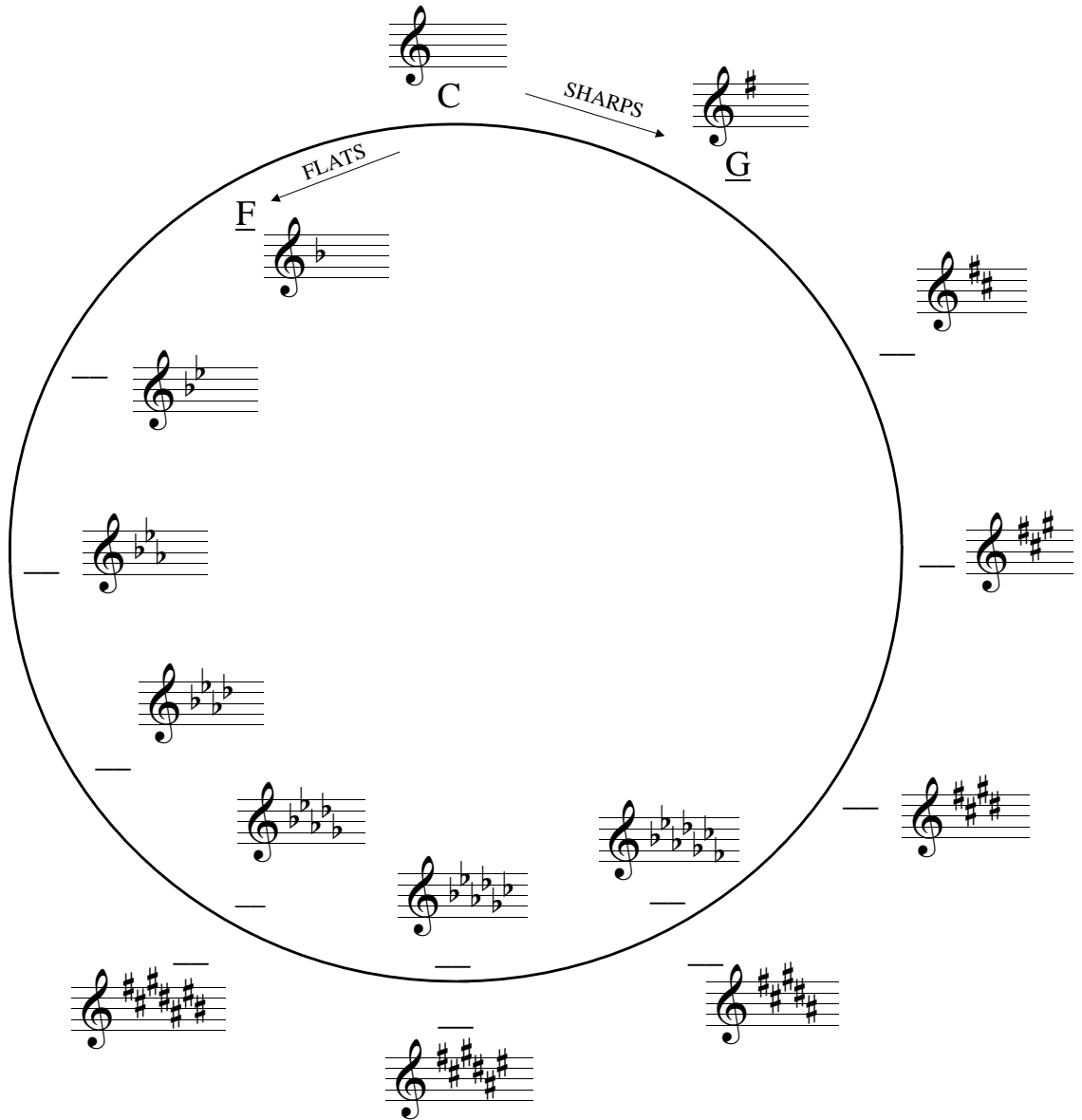
G _____

4. Write the names of the keys with flats in order as they appear on the circle of fifths.

F _____

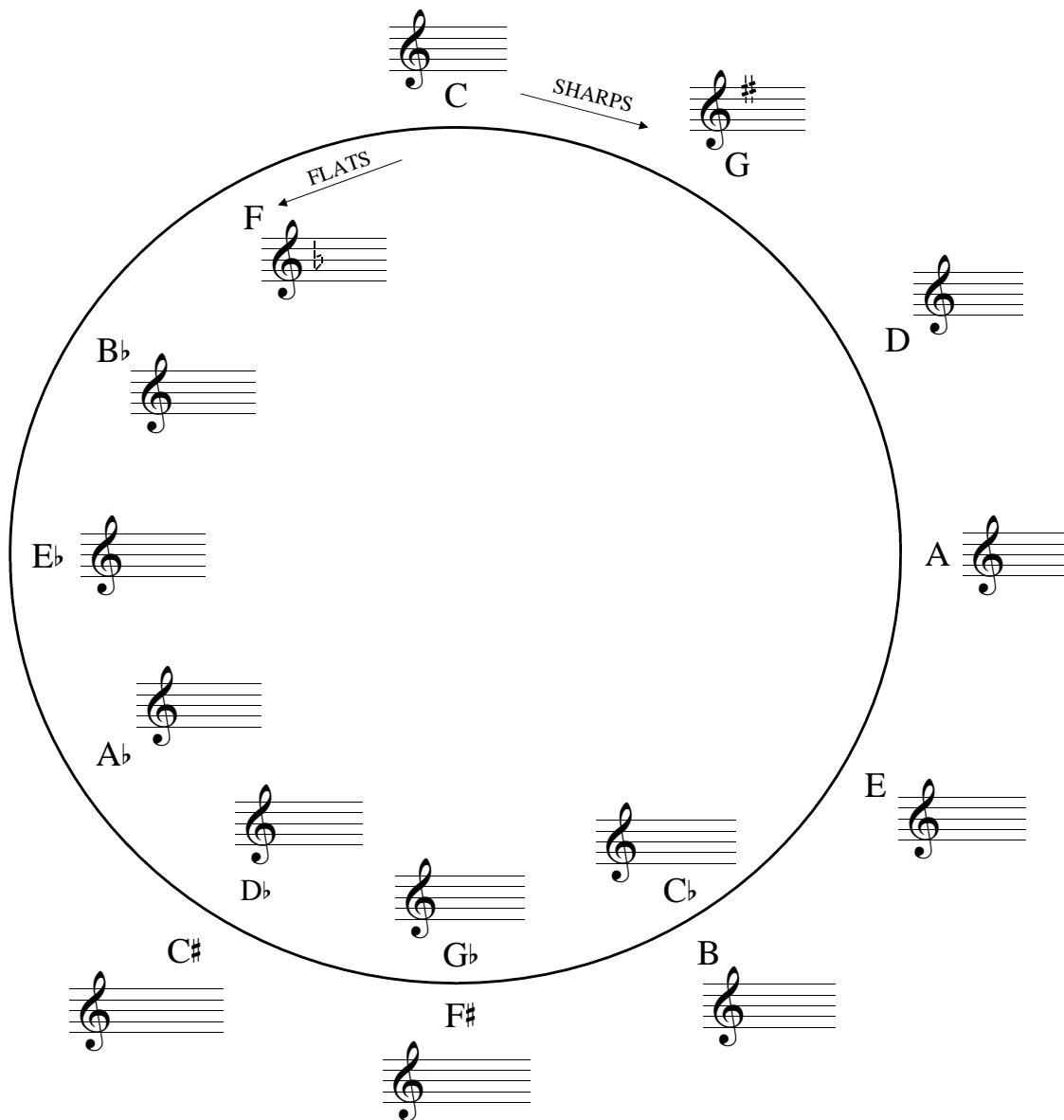
The Circle of Fifths II

Complete the circle of fifths by writing the names of the missing keys.



The Circle of Fifths III

Complete the circle of fifths by adding the missing key signatures.



The Circle of Fifths IV

Complete the circle of fifths by writing in the names of the missing keys and their missing key signatures.

