

Hear the Seventh: Half-Diminished or Fully Diminished?

Listen for the seventh above the given root. All chords are in root position. C4 = middle C.

Cover the upside-down key. Each item starts with the supplied root alone. Scan the QR code below to play each numbered item. Each chord plays together, upward one note at a time, then together again. These are three presentations of the same chord. In paired items, A plays first; after a pause, B plays. Each complete item repeats once. Open its "Check yourself" track after answering.

ROUND 1 · COMPARE ON THE SAME ROOT

Hear chord A, then chord B. Write each quality: **half** or **full**.

1. Root B A: _____ B: _____

3. Root F A: _____ B: _____

2. Root D A: _____ B: _____

4. Root B A: _____ B: _____

ROUND 2 · NAME THE QUALITY

Six shuffled chords. The root is supplied. Circle one quality per item.

5. Root D half / full

7. Root F half / full

9. Root B half / full

6. Root B half / full

8. Root D half / full

10. Root F half / full

ROUND 3 · TRACK THE SEVENTH

Hear A then B on the same root. Circle whether the seventh stays or rises one semitone. The lower three notes stay fixed.

11. Root F stays / rises 1 semitone

13. Root E stays / rises 1 semitone

12. Root D stays / rises 1 semitone

14. Root B stays / rises 1 semitone

Try it

Bank: half = half-diminished seventh; full = fully diminished seventh. Count semitones above the root: half = 0, 3, 6, 10; full = 0, 3, 6, 9. Both share the same diminished triad. Hum the top note before replaying.

Listen: scan or visit tissimo.co/worksheets/ear-training-diminished-sevenths
In-house MIDI/MP3 examples · quarter-note tempo 100 BPM



Answers · A → B, full / half as in the bank; actual sevenths below. C4 = middle C.

1. B: half → full 7th Ab → A

2. D: half → full 7th C → Cb

3. F: full → half 7th Ebb → Eb

4. B: half → full 7th A → Ab

5. D: half 7th C

6. B: full 7th Ab

7. F: full 7th Ebb

8. D: full 7th Cb

9. B: half 7th A

10. F: half 7th Eb

11. F: half → half 7th Eb → Eb

12. D: full → half 7th Cb → C

13. E: full → half 7th Db → D

14. B: full → full 7th Ab → Ab

15. D: full → full 7th C → C

16. F: full → full 7th Ebb → Eb

17. B: full → full 7th Ab → Ab

18. D: full → full 7th C → C

19. F: full → full 7th Ebb → Eb

20. B: full → full 7th Ab → Ab

21. D: full → full 7th C → C

22. F: full → full 7th Ebb → Eb

23. B: full → full 7th Ab → Ab

24. D: full → full 7th C → C

25. F: full → full 7th Ebb → Eb

26. B: full → full 7th Ab → Ab

27. D: full → full 7th C → C

28. F: full → full 7th Ebb → Eb

29. B: full → full 7th Ab → Ab

30. D: full → full 7th C → C

31. F: full → full 7th Ebb → Eb

32. B: full → full 7th Ab → Ab

33. D: full → full 7th C → C

34. F: full → full 7th Ebb → Eb

35. B: full → full 7th Ab → Ab

36. D: full → full 7th C → C

37. F: full → full 7th Ebb → Eb

38. B: full → full 7th Ab → Ab

39. D: full → full 7th C → C

40. F: full → full 7th Ebb → Eb

41. B: full → full 7th Ab → Ab

42. D: full → full 7th C → C

43. F: full → full 7th Ebb → Eb

44. B: full → full 7th Ab → Ab

45. D: full → full 7th C → C

46. F: full → full 7th Ebb → Eb

47. B: full → full 7th Ab → Ab

48. D: full → full 7th C → C

49. F: full → full 7th Ebb → Eb

50. B: full → full 7th Ab → Ab

51. D: full → full 7th C → C

52. F: full → full 7th Ebb → Eb

53. B: full → full 7th Ab → Ab

54. D: full → full 7th C → C

55. F: full → full 7th Ebb → Eb

56. B: full → full 7th Ab → Ab

57. D: full → full 7th C → C

58. F: full → full 7th Ebb → Eb

59. B: full → full 7th Ab → Ab

60. D: full → full 7th C → C

61. F: full → full 7th Ebb → Eb

62. B: full → full 7th Ab → Ab

63. D: full → full 7th C → C

64. F: full → full 7th Ebb → Eb

65. B: full → full 7th Ab → Ab

66. D: full → full 7th C → C

67. F: full → full 7th Ebb → Eb

68. B: full → full 7th Ab → Ab

69. D: full → full 7th C → C

70. F: full → full 7th Ebb → Eb

71. B: full → full 7th Ab → Ab

72. D: full → full 7th C → C

73. F: full → full 7th Ebb → Eb

74. B: full → full 7th Ab → Ab

75. D: full → full 7th C → C

76. F: full → full 7th Ebb → Eb

77. B: full → full 7th Ab → Ab

78. D: full → full 7th C → C

79. F: full → full 7th Ebb → Eb

80. B: full → full 7th Ab → Ab

81. D: full → full 7th C → C

82. F: full → full 7th Ebb → Eb

83. B: full → full 7th Ab → Ab

84. D: full → full 7th C → C

85. F: full → full 7th Ebb → Eb

86. B: full → full 7th Ab → Ab

87. D: full → full 7th C → C

88. F: full → full 7th Ebb → Eb

89. B: full → full 7th Ab → Ab

90. D: full → full 7th C → C

91. F: full → full 7th Ebb → Eb

92. B: full → full 7th Ab → Ab

93. D: full → full 7th C → C

94. F: full → full 7th Ebb → Eb

95. B: full → full 7th Ab → Ab

96. D: full → full 7th C → C

97. F: full → full 7th Ebb → Eb

98. B: full → full 7th Ab → Ab

99. D: full → full 7th C → C

100. F: full → full 7th Ebb → Eb