

A COUNT OF CONSTANT STRUCTURES

with 4 distinct superparticular 7 limit steps with sizes between $5/4$ and $126/125$ (inclusive), that generate the intervals $2/1$, $3/2$, $5/4$ and $7/4$

1: 4 notes, 1 step of size $5/4$, 1 step of size $6/5$, 1 step of size $7/6$, and 1 step of size $8/7$. There are 6 such scales.

2: 5 notes, 1 step of size $5/4$, 1 step of size $6/5$, 2 steps of size $8/7$, and 1 step of size $49/48$. There are 12 such scales.

3: 5 notes, 1 step of size $5/4$, 2 steps of size $6/5$, 1 step of size $15/14$, and 1 step of size $28/27$. There are 12 such scales.

4: 5 notes, 2 steps of size $5/4$, 1 step of size $6/5$, 1 step of size $21/20$, and 1 step of size $64/63$. There are 12 such scales.

5: 5 notes, 2 steps of size $5/4$, 1 step of size $6/5$, 1 step of size $28/27$, and 1 step of size $36/35$. There are 12 such scales.

6: 5 notes, 1 step of size $5/4$, 1 step of size $7/6$, 2 steps of size $8/7$, and 1 step of size $21/20$. There are 12 such scales.

7: 5 notes, 1 step of size $5/4$, 2 steps of size $7/6$, 1 step of size $8/7$, and 1 step of size $36/35$. There are 12 such scales.

8: 5 notes, 2 steps of size $5/4$, 1 step of size $7/6$, 1 step of size $16/15$, and 1 step of size $36/35$. There are 12 such scales.

9: 5 notes, 2 steps of size $5/4$, 1 step of size $8/7$, 1 step of size $16/15$, and 1 step of size $21/20$. There are 12 such scales.

10: 5 notes, 1 step of size $6/5$, 2 steps of size $7/6$, 1 step of size $8/7$, and 1 step of size $15/14$. There are 12 such scales.

11: 5 notes, 2 steps of size $6/5$, 1 step of size $7/6$, 1 step of size $8/7$, and 1 step of size $25/24$. There are 12 such scales.

12: 5 notes, 2 steps of size $6/5$, 1 step of size $7/6$, 1 step of size $10/9$, and 1 step of size $15/14$. There are 12 such scales.

13: 6 notes, 1 step of size $5/4$, 2 steps of size $7/6$, 1 step of size $10/9$, and 2 steps of size $36/35$. There are 30 such scales.

14: 6 notes, 2 steps of size $5/4$, 1 step of size $7/6$, 1 step of size $28/27$, and 2 steps of size $36/35$. There are 30 such scales.

15: 6 notes, 1 step of size $5/4$, 2 steps of size $8/7$, 1 step of size $10/9$, and 2 steps of size $21/20$. There are 30 such scales.

16: 6 notes, 1 step of size $5/4$, 3 steps of size $8/7$, 1 step of size $21/20$, and 1 step of size $49/48$. There are 20 such scales.

17: 6 notes, 2 steps of size $5/4$, 1 step of size $8/7$, 2 steps of size $21/20$, and 1 step of size $64/63$. There are 30 such scales.

18: 6 notes, 2 steps of size $5/4$, 1 step of size $15/14$, 2 steps of size $16/15$, and 1 step of size $21/20$. There are 30 such scales.

19: 6 notes, 1 step of size $6/5$, 2 steps of size $7/6$, 2 steps of size $15/14$, and 1 step of size $16/15$. There are 30 such scales.

20: 6 notes, 2 steps of size $6/5$, 1 step of size $7/6$, 2 steps of size $15/14$, and 1 step of size $28/27$. There are 30 such scales.

21: 6 notes, 2 steps of size $6/5$, 2 steps of size $8/7$, 1 step of size $25/24$, and 1 step of size $49/48$. There are 30 such scales.

22: 6 notes, 2 steps of size $6/5$, 2 steps of size $10/9$, 1 step of size $15/14$, and 1 step of size $21/20$. There are 30 such scales.

23: 6 notes, 3 steps of size $6/5$, 1 step of size $15/14$, 1 step of size $25/24$, and 1 step of size $28/27$. There are 20 such scales.

24: 6 notes, 2 steps of size $7/6$, 2 steps of size $8/7$, 1 step of size $10/9$, and 1 step of size $81/80$. There are 30 such scales.

25: 6 notes, 2 steps of size $7/6$, 2 steps of size $8/7$, 1 step of size $15/14$, and 1 step of size $21/20$. There are 30 such scales.

26: 6 notes, 3 steps of size $7/6$, 1 step of size $8/7$, 1 step of size $15/14$, and 1 step of size $36/35$. There are 20 such scales.

27: 7 notes, 1 step of size $5/4$, 3 steps of size $8/7$, 1 step of size $36/35$, and 2 steps of size $49/48$. There are 60 such scales.

28: 7 notes, 2 steps of size $5/4$, 1 step of size $9/8$, 2 steps of size $21/20$, and 2 steps of size $64/63$. There are 90 such scales.

29: 7 notes, 2 steps of size $5/4$, 1 step of size $9/8$, 2 steps of size $28/27$, and 2 steps of size $36/35$. There are 90 such scales.

30: 7 notes, 2 steps of size $5/4$, 2 steps of size $16/15$, 2 steps of size $21/20$, and 1 step of size $50/49$. There are 90 such scales.

31: 7 notes, 1 step of size $6/5$, 3 steps of size $8/7$, 1 step of size $15/14$, and 2 steps of size $49/48$. There are 60 such scales.

32: 7 notes, 2 steps of size $6/5$, 2 steps of size $8/7$, 2 steps of size $49/48$, and 1 step of size $50/49$. There are 90 such scales.

33: 7 notes, 2 steps of size $6/5$, 1 step of size $9/8$, 2 steps of size $15/14$, and 2 steps of size $28/27$. There are 90 such scales.

34: 7 notes, 2 steps of size $6/5$, 2 steps of size $10/9$, 2 steps of size $21/20$, and 1 step of size $50/49$. There are 90 such scales.

35: 7 notes, 3 steps of size $6/5$, 1 step of size $21/20$, 2 steps of size $25/24$, and 1 step of size $64/63$. There are 60 such scales.

36: 7 notes, 3 steps of size $6/5$, 2 steps of size $25/24$, 1 step of size $28/27$, and 1 step of size $36/35$. There are 60 such scales.

37: 7 notes, 1 step of size $7/6$, 3 steps of size $8/7$, 2 steps of size $21/20$, and 1 step of size $25/24$. There are 60 such scales.

38: 7 notes, 2 steps of size $7/6$, 2 steps of size $8/7$, 2 steps of size $21/20$, and 1 step of size $50/49$. There are 90 such scales.

39: 7 notes, 3 steps of size $7/6$, 1 step of size $8/7$, 1 step of size $25/24$, and 2 steps of size $36/35$. There are 60 such scales.

40: 7 notes, 2 steps of size $7/6$, 1 step of size $9/8$, 2 steps of size $10/9$, and 2 steps of size $36/35$. There are 90 such scales.

41: 7 notes, 2 steps of size $7/6$, 1 step of size $9/8$, 2 steps of size $15/14$, and 2 steps of size $16/15$. There are 90 such scales.

42: 7 notes, 3 steps of size $7/6$, 1 step of size $10/9$, 1 step of size $15/14$, and 2 steps of size $36/35$. There are 60 such scales.

43: 7 notes, 3 steps of size $7/6$, 2 steps of size $15/14$, 1 step of size $16/15$, and 1 step of size $36/35$. There are 60 such scales.

44: 7 notes, 2 steps of size $8/7$, 1 step of size $9/8$, 2 steps of size $10/9$, and 2 steps of size $21/20$. There are 90 such scales.

45: 8 notes, 1 step of size $5/4$, 3 steps of size $10/9$, 2 steps of size $15/14$, and 2 steps of size $126/125$. There are 210 such scales.

46: 8 notes, 1 step of size $5/4$, 3 steps of size $10/9$, 2 steps of size $21/20$, and 2 steps of size $36/35$. There are 210 such scales.

47: 8 notes, 2 steps of size $5/4$, 1 step of size $15/14$, 3 steps of size $21/20$, and 2 steps of size $64/63$. There are 210 such scales.

48: 8 notes, 2 steps of size $6/5$, 3 steps of size $15/14$, 1 step of size $21/20$, and 2 steps of size $28/27$. There are 210 such scales.

49: 8 notes, 3 steps of size $6/5$, 3 steps of size $25/24$, 1 step of size $64/63$, and 1 step of size $126/125$. There are 140 such scales.

50: 8 notes, 3 steps of size $7/6$, 1 step of size $10/9$, 1 step of size $25/24$, and 3 steps of size $36/35$. There are 140 such scales.

51: 8 notes, 2 steps of size $7/6$, 3 steps of size $10/9$, 2 steps of size $36/35$, and 1 step of size $81/80$. There are 210 such scales.

52: 8 notes, 2 steps of size $7/6$, 3 steps of size $15/14$, 2 steps of size $16/15$, and 1 step of size $21/20$. There are 210 such scales.

53: 8 notes, 3 steps of size $7/6$, 2 steps of size $15/14$, 1 step of size $28/27$, and 2 steps of size $36/35$. There are 210 such scales.

54: 8 notes, 2 steps of size $8/7$, 2 steps of size $10/9$, 1 step of size $15/14$, and 3 steps of size $21/20$. There are 210 such scales.

55: 8 notes, 3 steps of size $8/7$, 1 step of size $10/9$, 3 steps of size $21/20$, and 1 step of size $25/24$. There are 140 such scales.

56: 8 notes, 2 steps of size $8/7$, 3 steps of size $10/9$, 2 steps of size $21/20$, and 1 step of size $81/80$. There are 210 such scales.

57: 8 notes, 4 steps of size $8/7$, 1 step of size $10/9$, 2 steps of size $49/48$, and 1 step of size $81/80$. There are 105 such scales.

58: 8 notes, 4 steps of size $8/7$, 1 step of size $15/14$, 1 step of size $21/20$, and 2 steps of size $49/48$. There are 105 such scales.

59: 8 notes, 4 steps of size $8/7$, 2 steps of size $21/20$, 1 step of size $25/24$, and 1 step of size $49/48$. There are 105 such scales.

60: 9 notes, 2 steps of size $5/4$, 4 steps of size $21/20$, 1 step of size $50/49$, and 2 steps of size $64/63$. There are 420 such scales.

61: 9 notes, 2 steps of size $6/5$, 3 steps of size $15/14$, 3 steps of size $28/27$, and 1 step of size $81/80$. There are 560 such scales.

62: 9 notes, 1 step of size $7/6$, 3 steps of size $8/7$, 3 steps of size $25/24$, and 2 steps of size $126/125$. There are 560 such scales.

63: 9 notes, 1 step of size $7/6$, 3 steps of size $10/9$, 3 steps of size $15/14$, and 2 steps of size $126/125$. There are 560 such scales.

64: 9 notes, 3 steps of size $7/6$, 1 step of size $16/15$, 2 steps of size $25/24$, and 3 steps of size $36/35$. There are 560 such scales.

65: 9 notes, 2 steps of size $8/7$, 2 steps of size $10/9$, 4 steps of size $21/20$, and 1 step of size $50/49$. There are 420 such scales.

66: 9 notes, 4 steps of size $8/7$, 1 step of size $15/14$, 1 step of size $36/35$, and 3 steps of size $49/48$. There are 280 such scales.

67: 9 notes, 3 steps of size $8/7$, 1 step of size $16/15$, 3 steps of size $21/20$, and 2 steps of size $25/24$. There are 560 such scales.

68: 9 notes, 4 steps of size $8/7$, 2 steps of size $21/20$, 2 steps of size $49/48$, and 1 step of size $50/49$. There are 420 such scales.

69: 9 notes, 1 step of size $9/8$, 4 steps of size $10/9$, 2 steps of size $15/14$, and 2 steps of size $126/125$. There are 420 such scales.

70: 9 notes, 1 step of size $9/8$, 4 steps of size $10/9$, 2 steps of size $21/20$, and 2 steps of size $36/35$. There are 420 such scales.

71: 9 notes, 3 steps of size $9/8$, 2 steps of size $10/9$, 2 steps of size $21/20$, and 2 steps of size $64/63$. There are 840 such scales.

72: 9 notes, 3 steps of size $9/8$, 2 steps of size $10/9$, 2 steps of size $28/27$, and 2 steps of size $36/35$. There are 840 such scales.

73: 9 notes, 3 steps of size $9/8$, 2 steps of size $15/14$, 2 steps of size $16/15$, and 2 steps of size $28/27$. There are 840 such scales.

74: 10 notes, 1 step of size $5/4$, 3 steps of size $10/9$, 4 steps of size $36/35$, and 2 steps of size $49/48$. There are 1260 such scales.

75: 10 notes, 1 step of size $6/5$, 4 steps of size $15/14$, 3 steps of size $16/15$, and 2 steps of size $49/48$. There are 1260 such scales.

76: 10 notes, 2 steps of size $7/6$, 3 steps of size $10/9$, 2 steps of size $64/63$, and 3 steps of size $81/80$. There are 2520 such scales.

77: 10 notes, 2 steps of size $7/6$, 3 steps of size $15/14$, 3 steps of size $21/20$, and 2 steps of size $64/63$. There are 2520 such scales.

78: 10 notes, 3 steps of size $7/6$, 2 steps of size $25/24$, 1 step of size $28/27$, and 4 steps of size $36/35$. There are 1260 such scales.

79: 10 notes, 2 steps of size $8/7$, 3 steps of size $10/9$, 2 steps of size $28/27$, and 3 steps of size $81/80$. There are 2520 such scales.

80: 10 notes, 2 steps of size $8/7$, 3 steps of size $15/14$, 3 steps of size $21/20$, and 2 steps of size $28/27$. There are 2520 such scales.

81: 10 notes, 3 steps of size $8/7$, 4 steps of size $21/20$, 2 steps of size $25/24$, and 1 step of size $64/63$. There are 1260 such scales.

82: 10 notes, 4 steps of size $8/7$, 1 step of size $25/24$, 2 steps of size $36/35$, and 3 steps of size $49/48$. There are 1260 such scales.

83: 10 notes, 4 steps of size $8/7$, 3 steps of size $25/24$, 1 step of size $49/48$, and 2 steps of size $126/125$. There are 1260 such scales.

84: 10 notes, 2 steps of size $10/9$, 3 steps of size $15/14$, 2 steps of size $16/15$, and 3 steps of size $21/20$. There are 2520 such scales.

85: 10 notes, 4 steps of size $10/9$, 1 step of size $15/14$, 3 steps of size $21/20$, and 2 steps of size $36/35$. There are 1260 such scales.

86: 10 notes, 4 steps of size $10/9$, 3 steps of size $15/14$, 1 step of size $21/20$, and 2 steps of size $126/125$. There are 1260 such scales.

87: 10 notes, 5 steps of size $10/9$, 2 steps of size $15/14$, 1 step of size $81/80$, and 2 steps of size $126/125$. There are 756 such scales.

88: 10 notes, 5 steps of size $10/9$, 2 steps of size $21/20$, 2 steps of size $36/35$, and 1 step of size $81/80$. There are 756 such scales.

89: 11 notes, 1 step of size $5/4$, 5 steps of size $15/14$, 3 steps of size $28/27$, and 2 steps of size $126/125$. There are 2520 such scales.

90: 11 notes, 2 steps of size $6/5$, 4 steps of size $21/20$, 2 steps of size $28/27$, and 3 steps of size $50/49$. There are 6300 such scales.

91: 11 notes, 2 steps of size $7/6$, 2 steps of size $16/15$, 4 steps of size $21/20$, and 3 steps of size $50/49$. There are 6300 such scales.

92: 11 notes, 3 steps of size $8/7$, 1 step of size $10/9$, 4 steps of size $25/24$, and 3 steps of size $126/125$. There are 4200 such scales.

93: 11 notes, 4 steps of size $8/7$, 2 steps of size $36/35$, 4 steps of size $49/48$, and 1 step of size $50/49$. There are 3150 such scales.

94: 11 notes, 1 step of size $9/8$, 4 steps of size $10/9$, 4 steps of size $36/35$, and 2 steps of size $49/48$. There are 3150 such scales.

95: 11 notes, 1 step of size $9/8$, 4 steps of size $15/14$, 4 steps of size $16/15$, and 2 steps of size $49/48$. There are 3150 such scales.

96: 11 notes, 3 steps of size $9/8$, 2 steps of size $15/14$, 4 steps of size $28/27$, and 2 steps of size $36/35$. There are 6300 such scales.

97: 11 notes, 4 steps of size $10/9$, 3 steps of size $15/14$, 1 step of size $25/24$, and 3 steps of size $126/125$. There are 4200 such scales.

98: 11 notes, 4 steps of size $10/9$, 3 steps of size $21/20$, 1 step of size $25/24$, and 3 steps of size $36/35$. There are 4200 such scales.

99: 11 notes, 4 steps of size $10/9$, 4 steps of size $21/20$, 2 steps of size $36/35$, and 1 step of size $50/49$. There are 3150 such scales.

100: 12 notes, 1 step of size $7/6$, 6 steps of size $15/14$, 3 steps of size $28/27$, and 2 steps of size $126/125$. There are 4620 such scales.

101: 12 notes, 3 steps of size $8/7$, 1 step of size $16/15$, 5 steps of size $25/24$, and 3 steps of size $126/125$. There are 9240 such scales.

102: 12 notes, 2 steps of size $10/9$, 3 steps of size $15/14$, 5 steps of size $21/20$, and 2 steps of size $64/63$. There are 13860 such scales.

103: 12 notes, 5 steps of size $10/9$, 2 steps of size $21/20$, 2 steps of size $64/63$, and 3 steps of size $81/80$. There are 13860 such scales.

104: 12 notes, 5 steps of size $10/9$, 2 steps of size $28/27$, 2 steps of size $36/35$, and 3 steps of size $81/80$. There are 13860 such scales.

105: 12 notes, 5 steps of size $10/9$, 4 steps of size $36/35$, 2 steps of size $49/48$, and 1 step of size $81/80$. There are 6930 such scales.

106: 12 notes, 3 steps of size $15/14$, 4 steps of size $16/15$, 3 steps of size $21/20$, and 2 steps of size $25/24$. There are 23100 such scales.

107: 12 notes, 5 steps of size $15/14$, 2 steps of size $16/15$, 3 steps of size $21/20$, and 2 steps of size $28/27$. There are 13860 such scales.

108: 12 notes, 5 steps of size $15/14$, 4 steps of size $16/15$, 1 step of size $21/20$, and 2 steps of size $49/48$. There are 6930 such scales.

109: 13 notes, 2 steps of size $7/6$, 6 steps of size $21/20$, 3 steps of size $50/49$, and 2 steps of size $64/63$. There are 27720 such scales.

110: 13 notes, 2 steps of size $8/7$, 3 steps of size $15/14$, 5 steps of size $28/27$, and 3 steps of size $81/80$. There are 55440 such scales.

111: 13 notes, 2 steps of size $8/7$, 6 steps of size $21/20$, 2 steps of size $28/27$, and 3 steps of size $50/49$. There are 27720 such scales.

112: 13 notes, 4 steps of size $8/7$, 4 steps of size $49/48$, 3 steps of size $50/49$, and 2 steps of size $126/125$. There are 69300 such scales.

113: 13 notes, 1 step of size $9/8$, 6 steps of size $15/14$, 4 steps of size $28/27$, and 2 steps of size $126/125$. There are 13860 such scales.

114: 13 notes, 3 steps of size $9/8$, 4 steps of size $21/20$, 2 steps of size $25/24$, and 4 steps of size $64/63$. There are 69300 such scales.

115: 13 notes, 3 steps of size $9/8$, 2 steps of size $25/24$, 4 steps of size $28/27$, and 4 steps of size $36/35$. There are 69300 such scales.

116: 13 notes, 4 steps of size $10/9$, 1 step of size $15/14$, 5 steps of size $36/35$, and 3 steps of size $49/48$. There are 27720 such scales.

117: 13 notes, 2 steps of size $10/9$, 2 steps of size $16/15$, 6 steps of size $21/20$, and 3 steps of size $50/49$. There are 27720 such scales.

118: 13 notes, 4 steps of size $10/9$, 4 steps of size $21/20$, 3 steps of size $50/49$, and 2 steps of size $126/125$. There are 69300 such scales.

119: 13 notes, 5 steps of size $15/14$, 4 steps of size $16/15$, 1 step of size $36/35$, and 3 steps of size $49/48$. There are 27720 such scales.

120: 14 notes, 3 steps of size $8/7$, 6 steps of size $25/24$, 1 step of size $64/63$, and 4 steps of size $126/125$. There are 60060 such scales.

121: 14 notes, 4 steps of size $10/9$, 1 step of size $25/24$, 6 steps of size $36/35$, and 3 steps of size $49/48$. There are 60060 such scales.

122: 14 notes, 4 steps of size $10/9$, 4 steps of size $25/24$, 3 steps of size $36/35$, and 3 steps of size $126/125$. There are 300300 such scales.

123: 14 notes, 5 steps of size $10/9$, 2 steps of size $28/27$, 2 steps of size $64/63$, and 5 steps of size $81/80$. There are 108108 such scales.

124: 14 notes, 5 steps of size $15/14$, 3 steps of size $21/20$, 4 steps of size $28/27$, and 2 steps of size $36/35$. There are 180180 such scales.

125: 14 notes, 5 steps of size $15/14$, 5 steps of size $21/20$, 2 steps of size $28/27$, and 2 steps of size $64/63$. There are 108108 such scales.

126: 14 notes, 7 steps of size $15/14$, 1 step of size $21/20$, 4 steps of size $28/27$, and 2 steps of size $126/125$. There are 25740 such scales.

127: 15 notes, 2 steps of size $6/5$, 6 steps of size $28/27$, 3 steps of size $50/49$, and 4 steps of size $81/80$. There are 420420 such scales.

128: 15 notes, 2 steps of size $10/9$, 8 steps of size $21/20$, 3 steps of size $50/49$, and 2 steps of size $64/63$. There are 90090 such scales.

129: 15 notes, 4 steps of size $10/9$, 6 steps of size $36/35$, 4 steps of size $49/48$, and 1 step of size $50/49$. There are 210210 such scales.

130: 15 notes, 3 steps of size $15/14$, 4 steps of size $16/15$, 5 steps of size $25/24$, and 3 steps of size $126/125$. There are 840840 such scales.

131: 15 notes, 5 steps of size $15/14$, 2 steps of size $16/15$, 5 steps of size $28/27$, and 3 steps of size $81/80$. There are 504504 such scales.

132: 15 notes, 7 steps of size $15/14$, 1 step of size $25/24$, 4 steps of size $28/27$, and 3 steps of size $126/125$. There are 120120 such scales.

133: 15 notes, 7 steps of size $15/14$, 5 steps of size $28/27$, 1 step of size $81/80$, and 2 steps of size $126/125$. There are 72072 such scales.

134: 15 notes, 4 steps of size $16/15$, 3 steps of size $21/20$, 5 steps of size $25/24$, and 3 steps of size $36/35$. There are 840840 such scales.

135: 15 notes, 4 steps of size $16/15$, 6 steps of size $21/20$, 2 steps of size $25/24$, and 3 steps of size $50/49$. There are 420420 such scales.

136: 16 notes, 5 steps of size $10/9$, 2 steps of size $49/48$, 4 steps of size $64/63$, and 5 steps of size $81/80$. There are 1891890 such scales.

137: 16 notes, 3 steps of size $15/14$, 7 steps of size $21/20$, 2 steps of size $25/24$, and 4 steps of size $64/63$. There are 900900 such scales.

138: 16 notes, 5 steps of size $15/14$, 5 steps of size $21/20$, 2 steps of size $49/48$, and 4 steps of size $64/63$. There are 1891890 such scales.

139: 17 notes, 3 steps of size $9/8$, 6 steps of size $25/24$, 4 steps of size $64/63$, and 4 steps of size $126/125$. There are 8408400 such scales.

140: 17 notes, 4 steps of size $10/9$, 4 steps of size $25/24$, 3 steps of size $50/49$, and 6 steps of size $126/125$. There are 8408400 such scales.

141: 17 notes, 5 steps of size $15/14$, 4 steps of size $28/27$, 5 steps of size $36/35$, and 3 steps of size $49/48$. There are 10090080 such scales.

142: 17 notes, 5 steps of size $15/14$, 7 steps of size $28/27$, 2 steps of size $36/35$, and 3 steps of size $81/80$. There are 2882880 such scales.

143: 17 notes, 2 steps of size $16/15$, 8 steps of size $21/20$, 2 steps of size $28/27$, and 5 steps of size $50/49$. There are 1081080 such scales.

144: 17 notes, 4 steps of size $16/15$, 6 steps of size $21/20$, 2 steps of size $49/48$, and 5 steps of size $50/49$. There are 5045040 such scales.

145: 18 notes, 4 steps of size $16/15$, 5 steps of size $25/24$, 6 steps of size $36/35$, and 3 steps of size $49/48$. There are 28588560 such scales.

146: 18 notes, 4 steps of size $16/15$, 8 steps of size $25/24$, 3 steps of size $36/35$, and 3 steps of size $126/125$. There are 10210200 such scales.

147: 19 notes, 2 steps of size $8/7$, 8 steps of size $28/27$, 3 steps of size $50/49$, and 6 steps of size $81/80$. There are 18378360 such scales.

148: 19 notes, 5 steps of size $15/14$, 7 steps of size $28/27$, 2 steps of size $64/63$, and 5 steps of size $81/80$. There are 44108064 such scales.

149: 19 notes, 3 steps of size $21/20$, 5 steps of size $25/24$, 4 steps of size $28/27$, and 7 steps of size $36/35$. There are 73513440 such scales.

150: 19 notes, 7 steps of size $21/20$, 5 steps of size $25/24$, 3 steps of size $36/35$, and 4 steps of size $64/63$. There are 73513440 such scales.

151: 19 notes, 10 steps of size $21/20$, 2 steps of size $25/24$, 3 steps of size $50/49$, and 4 steps of size $64/63$. There are 6126120 such scales.

152: 19 notes, 8 steps of size $21/20$, 4 steps of size $28/27$, 2 steps of size $36/35$, and 5 steps of size $50/49$. There are 27567540 such scales.

153: 19 notes, 10 steps of size $21/20$, 2 steps of size $28/27$, 5 steps of size $50/49$, and 2 steps of size $64/63$. There are 3675672 such scales.

154: 21 notes, 4 steps of size $10/9$, 4 steps of size $49/48$, 7 steps of size $50/49$, and 6 steps of size $126/125$. There are 1163962800 such scales.

155: 21 notes, 5 steps of size $15/14$, 5 steps of size $36/35$, 7 steps of size $49/48$, and 4 steps of size $64/63$. There are 1396755360 such scales.

156: 21 notes, 4 steps of size $16/15$, 8 steps of size $25/24$, 3 steps of size $50/49$, and 6 steps of size $126/125$. There are 581981400 such scales.

157: 21 notes, 8 steps of size $21/20$, 4 steps of size $28/27$, 7 steps of size $50/49$, and 2 steps of size $126/125$. There are 249420600 such scales.

158: 21 notes, 10 steps of size $21/20$, 2 steps of size $49/48$, 5 steps of size $50/49$, and 4 steps of size $64/63$. There are 116396280 such scales.

159: 22 notes, 7 steps of size $21/20$, 5 steps of size $25/24$, 7 steps of size $64/63$, and 3 steps of size $81/80$. There are 2793510720 such scales.

160: 22 notes, 5 steps of size $25/24$, 4 steps of size $28/27$, 10 steps of size $36/35$, and 3 steps of size $49/48$. There are 814773960 such scales.

161: 22 notes, 5 steps of size $25/24$, 7 steps of size $28/27$, 7 steps of size $36/35$, and 3 steps of size $81/80$. There are 2793510720 such scales.

162: 22 notes, 8 steps of size $25/24$, 4 steps of size $28/27$, 7 steps of size $36/35$, and 3 steps of size $126/125$. There are 1745944200 such scales.

163: 23 notes, 3 steps of size $15/14$, 9 steps of size $25/24$, 4 steps of size $64/63$, and 7 steps of size $126/125$. There are 4267863600 such scales.

164: 23 notes, 4 steps of size $16/15$, 6 steps of size $36/35$, 8 steps of size $49/48$, and 5 steps of size $50/49$. There are 13443770340 such scales.

165: 25 notes, 2 steps of size $16/15$, 10 steps of size $28/27$, 5 steps of size $50/49$, and 8 steps of size $81/80$. There are 17668955304 such scales.

166: 26 notes, 5 steps of size $15/14$, 7 steps of size $49/48$, 9 steps of size $64/63$, and 5 steps of size $81/80$. There are 588965176800 such scales.

167: 26 notes, 5 steps of size $25/24$, 10 steps of size $36/35$, 7 steps of size $49/48$, and 4 steps of size $64/63$. There are 294482588400 such scales.

168: 26 notes, 12 steps of size $25/24$, 3 steps of size $36/35$, 4 steps of size $64/63$, and 7 steps of size $126/125$. There are 44618574000 such scales.

169: 27 notes, 4 steps of size $28/27$, 10 steps of size $36/35$, 8 steps of size $49/48$, and 5 steps of size $50/49$. There are 957068412300 such scales.

170: 27 notes, 12 steps of size $28/27$, 2 steps of size $36/35$, 5 steps of size $50/49$, and 8 steps of size $81/80$. There are 87006219300 such scales.

171: 29 notes, 4 steps of size $16/15$, 8 steps of size $49/48$, 11 steps of size $50/49$, and 6 steps of size $126/125$. There are 10962783631800 such scales.

172: 29 notes, 8 steps of size $25/24$, 4 steps of size $28/27$, 7 steps of size $50/49$, and 10 steps of size $126/125$. There are 17227231421400 such scales.

173: 29 notes, 5 steps of size $25/24$, 7 steps of size $28/27$, 7 steps of size $64/63$, and 10 steps of size $81/80$. There are 27563570274240 such scales.

174: 29 notes, 12 steps of size $25/24$, 3 steps of size $50/49$, 4 steps of size $64/63$, and 10 steps of size $126/125$. There are 1218087070200 such scales.

175: 29 notes, 12 steps of size $25/24$, 7 steps of size $64/63$, 3 steps of size $81/80$, and 7 steps of size $126/125$. There are 4176298526400 such scales.

176: 29 notes, 12 steps of size $28/27$, 5 steps of size $50/49$, 2 steps of size $64/63$, and 10 steps of size $81/80$. There are 730852242120 such scales.

177: 29 notes, 12 steps of size $28/27$, 7 steps of size $50/49$, 8 steps of size $81/80$, and 2 steps of size $126/125$. There are 1566111947400 such scales.

178: 31 notes, 10 steps of size $36/35$, 12 steps of size $49/48$, 5 steps of size $50/49$, and 4 steps of size $64/63$. There are 52986787553700 such scales.

179: 36 notes, 5 steps of size $25/24$, 7 steps of size $49/48$, 14 steps of size $64/63$, and 10 steps of size $81/80$. There are 54006928782206400 such scales.

180: 37 notes, 4 steps of size $28/27$, 8 steps of size $49/48$, 15 steps of size $50/49$, and 10 steps of size $126/125$. There are 81010393173309600 such scales.

181: 41 notes, 12 steps of size $49/48$, 5 steps of size $50/49$, 14 steps of size $64/63$, and 10 steps of size $81/80$. There are 44869938376416753600 such scales.

182: 41 notes, 12 steps of size $49/48$, 15 steps of size $50/49$, 4 steps of size $64/63$, and 10 steps of size $126/125$. There are 14956646125472251200 such scales.

In total, there are 59961720275076322577 constant structures in the 7 limit, up to cyclic permutation, with 4 distinct superparticular steps with sizes between $5/4$ and $126/125$ (inclusive) that generate the intervals $2/1$, $3/2$, $5/4$ and $7/4$.

They fall into 182 families, determined by the number of occurrences of each step size.