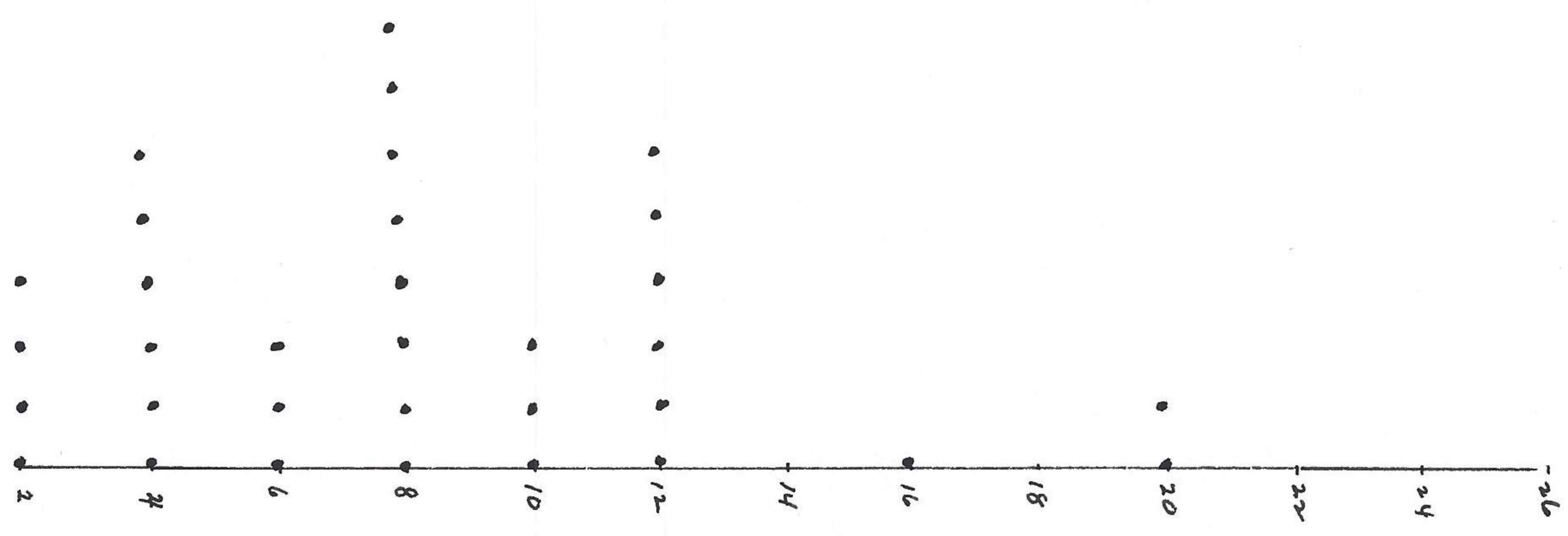


standard length in mm.



weight in pounds

The trout no. 520727-39 which measured 850 mm standard length, held the following egg mass which completely filled the two sides of the body cavity measured 320 x 80 x 40 mm. The egg mass on the right side the egg mass measured weighed 600 gms and the left side 581 gms. In 100 grams of egg mass there were 700 large developed eggs with smaller ones in proportion to 2 small eggs to one large egg. Small eggs in mesentery. Large eggs nearly uniform in size and averaged 6 mm in diameter. The other eggs were all small and about 1.5 mm in diameter. On the basis of 700 eggs (large developed eggs) per 100 grams weight, there are 8,302 large eggs in ovary of this fish. Trout number 520727-38 had eggs in the following numbers. 1900 in 10 grams or 19,480 eggs in total weight of ovary which weighed 103 grams. All eggs averaged 1 1/2 to 2 mm in diameter. It is interesting to note that while the total weight mass in one case is much smaller than the other, the number of eggs remain constant and only half of the total number develop. It is apparent that of the 19,480 eggs only 1/2 will develop and the other half will remain small (1 1/2 to 2 mm in diameter). Photo 520727-40 and

