Deciles for Ungrouped Data

Total points = 47

17	20	23	25	28	28	32	32	35	37
41	46	47	48	51	52	55	55	56	60

$n = 20$ ✓

1. $D_1 = \dfrac{1}{10}(n+1)_{th}$ ✓
   $D_1 = \dfrac{1}{10}(20+1)_{th}$ ✓
   $D_1 = \dfrac{1}{10}(21)_{th}$ ✓
   $D_1 = 2.1_{th}$ ✓
   $D_1 = 20.3$ ✓

2. $D_2 = \dfrac{2}{10}(n+1)_{th}$ ✓
   $D_2 = \dfrac{2}{10}(20+1)_{th}$ ✓
   $D_2 = \dfrac{1}{5}(21)_{th}$ ✓
   $D_2 = 4.2_{th}$ ✓
   $D_2 = 25.6$ ✓

3. $D_3 = \dfrac{3}{10}(n+1)_{th}$ ✓
   $D_3 = \dfrac{3}{10}(20+1)_{th}$ ✓
   $D_3 = \dfrac{3}{10}(21)_{th}$ ✓
   $D_3 = 6.3_{th}$ ✓
   $D_3 = 29.2$ ✓

4. $D_4 = \dfrac{4}{10}(n+1)_{th}$ ✓
   $D_4 = \dfrac{4}{10}(20+1)_{th}$ ✓
   $D_4 = \dfrac{2}{5}(21)_{th}$ ✓
   $D_4 = 8.4_{th}$ ✓
   $D_4 = 33.2$ ✓

5. $D_5 = \dfrac{5}{10}(n+1)_{th}$ ✓
   $D_5 = \dfrac{5}{10}(20+1)_{th}$ ✓
   $D_5 = \dfrac{1}{2}(21)_{th}$ ✓
   $D_5 = 10.5_{th}$ ✓
   $D_5 = 39$ ✓

6. $D_6 = \dfrac{6}{10}(n+1)_{th}$ ✓
   $D_6 = \dfrac{6}{10}(20+1)_{th}$ ✓
   $D_6 = \dfrac{3}{5}(21)_{th}$ ✓
   $D_6 = 12.6_{th}$ ✓
   $D_6 = 46.6$ ✓

7. $D_7 = \dfrac{7}{10}(n+1)_{th}$ ✓
   $D_7 = \dfrac{7}{10}(20+1)_{th}$ ✓
   $D_7 = \dfrac{7}{10}(21)_{th}$ ✓
   $D_7 = 14.7_{th}$ ✓
   $D_7 = 50.1$ ✓

8. $D_8 = \dfrac{8}{10}(n+1)_{th}$ ✓
   $D_8 = \dfrac{8}{10}(20+1)_{th}$ ✓
   $D_8 = \dfrac{4}{5}(21)_{th}$ ✓
   $D_8 = 16.8_{th}$ ✓
   $D_8 = 54.4$ ✓

9. $D_9 = \dfrac{9}{10}(n+1)_{th}$ ✓
   $D_9 = \dfrac{9}{10}(20+1)_{th}$ ✓
   $D_9 = \dfrac{9}{10}(21)_{th}$ ✓
   $D_9 = 18.9_{th}$ ✓
   $D_9 = 55.9$ ✓