

Honors Statistics

2.6 Percentiles

Sorted Ages of 76 Best Actresses

21	22	24	24	25	25	25	25	26	26
26	26	27	27	27	27	28	28	28	28
29	29	29	29	29	29	30	30	31	31
31	32	32	33	33	33	33	33	34	34
34	35	35	35	35	35	35	35	36	37
37	38	38	38	38	39	39	40	41	41
41	41	41	42	42	43	45	46	49	50
54	60	61	63	74	80				

Find the percentile corresponding to the given age.

1. 25
2. 35
3. 40
4. 50
5. 44
6. 58
7. 23
8. 33

Find the indicated percentile or quartiles.

9. P_{10}
10. Q_1
11. P_{25}
12. Q_2
13. P_{33}
14. P_{64}
15. P_{20}
16. P_{75}

Answers

- 1 5th percentile
- 2 54th percentile
- 3 75th percentile
- 4 91st percentile
- 5 87th percentile
- 6 93rd percentile
- 7 3rd percentile
- 8 43rd percentile

- 9 25
- 10 28
- 11 28
- 12 33.5
- 13 29
- 14 36
- 15 27
- 16 39.5