S.ID.A.1: Quartiles and Percentiles

1   The weights of 40 students were recorded. If the
75th percentile of their weights was 140 pounds,
what is the total number of students who weighed
more than 140 pounds?
1)   10
2)   20
3)   30
4)   4

2   The freshman class held a canned food drive for 12
weeks. The results are summarized in the table
below.

Canned Food Drive Results

Week	1	2	3	4	5	6	7	8	9	10	11	12
Number of Cans	20	35	32	45	58	46	28	23	31	79	65	62

Which number represents the second quartile of the
number of cans of food collected?
1)   29.5
2)   30.5
3)   40
4)   60

3   Brianna's score on a national math assessment
exceeded the scores of 95,000 of the 125,000
students who took the assessment. What was her
percentile rank?
1)   6
2)   24
3)   31
4)   76

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Answer Section

1 ANS: 1
   $25\% \times 40 = 10$

   REF: 011515ia
2 ANS: 3   REF: 061017ia
3 ANS: 4
   $\frac{95000}{125000} = .76$

   REF: 061207ia