

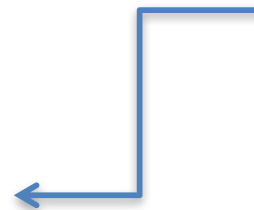
MEDIAN is the number that is in the MIDDLE of a distribution. Half of the distribution is below the median and half are above.

To Find the Median

1. Put all of the data in a table in order

ROCK WEIGHT	NUMBER OF WORKERS
5 pounds	9
10 pounds	11
15 pounds	12
20 pounds	18
25 pounds	20
30	18
35	12

Data for 100
workers



2. Find the percentage for
each row

ROCK WEIGHT	NUMBER OF WORKERS	PERCENT
5 pounds	9	9%
10 pounds	11	11%
15 pounds	12	12%
20 pounds	18	18%
25 pounds	20	20%
30	18	18%
35	12	12%



3. Compute the CUMULATIVE PERCENTAGE by adding all of the percentages up to and including the current row.

ROCK WEIGHT	NUMBER OF WORKERS	PERCENT	CUMULATIVE PERCENT
5 pounds	9	9%	9%
10 pounds	11	11%	20%
15 pounds	12	12%	32%
20 pounds	18	18%	50%
25 pounds	20	20%	70%
30	18	18%	88%
35	12	12%	100%

4. Find where 50% of the people scored at this number or lower

ROCK WEIGHT	NUMBER OF WORKERS	PERCENT	CUMULATIVE PERCENT
5 pounds	9	9%	9%
10 pounds	11	11%	20%
15 pounds	12	12%	32%
20 pounds	18	18%	50%
25 pounds	20	20%	70%
30	18	18%	88%
35	12	12%	100%