Median Worksheet

Statistics and Probability

Grades 6 to 8

Questions

Find the median of each data set.

1   9, 3, 5, 8, 7

Answer

2   12, 18, 10, 15, 14

Answer

3   25, 18, 20, 15, 22, 21, 22

Answer

4   3, 5, 8, 12, 15, 18, 20, 25, 30

Answer

5   18, 16, 20, 22, 12, 12, 24, 26, 28, 30

Answer

Median Worksheet | Grades 6 to 8

6 120, 301, 230, 222, 168, 231, 256, 193, 180, 199, 244, 287, 301, 345, 213

Answer

7 99, 78, 56, 70, 102, 76, 60, 89, 91, 94, 95, 77, 101, 45, 50, 103

Answer

8 3.5, 2.1, 4.7, 1.9, 3.2

Answer

9 2.4, 7.1, 3.9, 1.6, 5.2, 4.3, 2.7, 3.3, 1.8

Answer

10 14.5, 12.4, 11.34, 15.6, 12.3, 13.8, 16.23, 15.1, 14.2, 14.9

Answer

11 108.76, 141.34, 133.90, 115.56, 127.23, 103.89, 139.78, 122.45, 110.12

Answer

12 $\dfrac{1}{2}, \dfrac{5}{6}, \dfrac{1}{4}, \dfrac{2}{3}, \dfrac{5}{6}$

Answer

13 $1\dfrac{1}{2}, 4\dfrac{3}{4}, 2\dfrac{1}{3}, 3\dfrac{4}{5}, 2\dfrac{3}{4}, 1\dfrac{1}{9}, 5\dfrac{2}{3}$

Answer

14 $\dfrac{1}{2}, \dfrac{3}{4}, \dfrac{5}{6}, \dfrac{7}{8}, \dfrac{2}{3}, \dfrac{1}{3}, \dfrac{5}{8}, \dfrac{7}{16}, \dfrac{9}{10}, \dfrac{11}{12}, \dfrac{13}{14}$

Answer

15 $5\dfrac{1}{6}, 9\dfrac{3}{7}, 12\dfrac{1}{3}, 6\dfrac{2}{6}, 8\dfrac{4}{5}, 7\dfrac{1}{9}, 10\dfrac{2}{3}, 9\dfrac{3}{9}, 6\dfrac{4}{5}, 7\dfrac{1}{9}, 13\dfrac{4}{9}$

Answer

16 23, 17, 45, 12, 38, 56, 7, 92, 61, 3, 87, 49, 28, 53, 19, 67, 81, 4, 75, 32, 59, 15, 70, 26

Answer

17 112.34, 125.67, 109.87, 143.21, 135.98, 117.45, 129.01, 105.23, 147.65, 131.89, 123.56, 111.23, 145.78, 137.45

Answer

18 $\frac{3}{4}, \frac{2}{5}, \frac{7}{8}, \frac{1}{3}, \frac{5}{6}, \frac{4}{7}, \frac{9}{10}, \frac{1}{2}, \frac{11}{12}, \frac{3}{8}, \frac{6}{7}, \frac{2}{3}, \frac{4}{7}, \frac{7}{9}, \frac{1}{6}$

Answer

19 $\frac{1}{2}, \frac{2}{7}, \frac{3}{4}, 1.5, \frac{2}{3}, 4.1, 0.75, \frac{1}{3}, 4.2, 3.1, 2.5$

Answer

20 $3.45, \frac{2}{7}, 5.89, \frac{11}{13}, 4.67, 5\frac{1}{11}, 2.22, \frac{7}{5}, 6.12, \frac{3}{8}, 1.96, 2\frac{1}{5}$

Answer

Answers

Question number	Question	Answers	Standard
1	9, 3, 5, 8, 7	Arrange: 3, 5, 7, 8, 9 Median: 7	6.SP.B.5c
2	12, 18, 10, 15, 14	Arrange: 10, 12, 14, 15, 18 Median: 14	6.SP.B.5c
3	25, 18, 20, 15, 22, 21, 22	Arrange: 15, 18, 20, 21, 22, 22, 25 Median: 21	6.SP.B.5c
4	3, 5, 8, 12, 15, 18, 20, 25, 30	Arrange: 3, 5, 8, 12, 15, 18, 20, 25, 30 Median: 15	6.SP.B.5c
5	18, 16, 20, 22, 12, 12, 24, 26, 28, 30	Arrange: 12, 12, 16, 18, 20, 22, 24, 26, 28, 30 Median: $\frac{20+22}{2} = 21$	6.SP.B.5c
6	120, 301, 230, 222, 168, 231, 256, 193, 180, 199, 244, 287, 301, 345, 2135	Arrange: 120, 168, 180, 193, 199, 213, 222, 230, 231, 244, 256, 287, 301, 301, 345 Median: 230	6.SP.B.5c
7	99, 78, 56, 70, 102, 76, 60, 89, 91, 94, 95, 77, 101, 45, 50, 103	Arrange: 45, 50, 56, 60, 70, 76, 77, 78, 89, 91, 94, 95, 99, 101, 102, 103 Median: $\frac{78+89}{2} = 83.5$	6.SP.B.5c

Median Worksheet | Grades 6 to 8 | Answers

Question number	Question	Answers	Standard
8	3.5, 2.1, 4.7, 1.9, 3.2	Arrange: 1.9, 2.1, 3.2, 3.5, 4.7 Median: 3.2	6.SP.B.5c
9	2.4, 7.1, 3.9, 1.6, 5.2, 4.3, 2.7, 3.3, 1.8	Arrange: 1.6, 1.8, 2.4, 2.7, 3.3, 3.9, 4.3, 5.2, 7.1 Median: 3.3	6.SP.B.5c
10	14.5, 12.4, 11.34, 15.6, 12.3, 13.8, 16.23, 15.1, 14.2, 14.9	Arrange: 11.34, 12.3, 12.4, 13.8, 14.2, 14.5, 14.9, 15.1, 15.6, 16.23 Median: $\frac{14.2 + 14.5}{2} =$ 14.35	6.SP.B.5c
11	108.76, 141.34, 133.90, 115.56, 127.23, 103.89, 139.78, 122.45, 110.12	Arrange: 103.89, 108.76, 110.12, 115.56, 122.45, 127.23, 133.90, 139.78, 141.34 Median: 122.45	6.SP.B.5c
12	$\frac{1}{2}$, $\frac{5}{6}$, $\frac{1}{4}$, $\frac{2}{3}$, $\frac{5}{6}$	Arrange: $\frac{1}{4}, \frac{1}{2}, \frac{2}{3}, \frac{5}{6}, \frac{5}{6}$ Median: $\frac{2}{3}$	6.SP.B.5c
13	$1\frac{1}{2}$, $4\frac{3}{4}$, $2\frac{1}{3}$, $3\frac{4}{5}$, $2\frac{3}{4}$, $1\frac{1}{9}$, $5\frac{2}{3}$	Arrange: $1\frac{1}{9}, 1\frac{1}{2}, 2\frac{1}{3},$ $2\frac{3}{4},$ $3\frac{4}{5}, 4\frac{3}{4}, 5\frac{2}{3}$ Median: $2\frac{3}{4}$	6.SP.B.5c
14	$\frac{1}{2}$, $\frac{3}{4}$, $\frac{5}{6}$, $\frac{7}{8}$, $\frac{2}{3}$, $\frac{1}{3}$, $\frac{5}{8}$, $\frac{7}{16}$, $\frac{9}{10}$, $\frac{11}{12}$, $\frac{13}{14}$	Arrange: $\frac{1}{3}, \frac{7}{16}, \frac{1}{2}, \frac{5}{8},$ $\frac{2}{3}, \frac{3}{4}, \frac{5}{6}, \frac{7}{8}, \frac{9}{10}, \frac{11}{12}, \frac{13}{14}$ Median: $\frac{3}{4}$	6.SP.B.5c

Question number	Question	Answers	Standard
15	$5\frac{1}{6}, 9\frac{3}{7}, 12\frac{1}{3}, 6\frac{2}{9}, 8\frac{4}{5}, 7\frac{1}{9}, 10\frac{2}{3},$ $9\frac{3}{9}, 6\frac{4}{5}, 7\frac{1}{9}, 13\frac{4}{9}$	Arrange: $5\frac{1}{6}, 6\frac{2}{9}, 6\frac{4}{5},$ $7\frac{1}{9}, 7\frac{1}{9}, 8\frac{4}{5}, 9\frac{3}{9}, 9\frac{3}{7},$ $10\frac{2}{3}, 12\frac{1}{3}, 13\frac{4}{9}$ Median: $8\frac{4}{5}$	6.SP.B.5c
16	23, 17, 45, 12, 38, 56, 7, 92, 61, 3, 87, 49, 28, 53, 19, 67, 81, 4, 75, 32, 59, 15, 70, 26	Arrange: 3, 4, 7, 12, 15, 17, 19, 23, 26, 28, 32, 38, 45, 49, 53, 56, 59, 61, 67, 70, 75, 81, 87, 92 Median: $\frac{38+45}{2} = 41.5$	6.SP.B.5c
17	112.34, 125.67, 109.87, 143.21, 135.98, 117.45, 129.01, 105.23, 147.65, 131.89, 123.56, 111.23, 145.78, 137.45	Arrange: 105.23, 109.87, 111.23, 112.34, 117.45, 123.56, 125.67, 129.01, 131.89, 135.98, 137.45, 143.21, 145.78, 147.65 Median: 127.43	6.SP.B.5c
18	$\frac{3}{4}, \frac{2}{5}, \frac{7}{8}, \frac{1}{3}, \frac{5}{6}, \frac{4}{7}, \frac{9}{10}, \frac{1}{2}, \frac{11}{12}, \frac{3}{8}, \frac{6}{7}, \frac{2}{3},$ $\frac{4}{7}, \frac{7}{9}, \frac{1}{6}$	Arrange: $\frac{1}{6}, \frac{1}{3}, \frac{3}{8}, \frac{2}{5}, \frac{1}{2},$ $\frac{4}{7}, \frac{4}{7}, \frac{2}{3}, \frac{3}{4}, \frac{7}{9}, \frac{5}{6}, \frac{6}{7}, \frac{7}{8},$ $\frac{9}{10}, \frac{11}{12}$ Median: $\frac{2}{3}$	6.SP.B.5c
19	$\frac{1}{2}, \frac{2}{7}, \frac{3}{4}, 1.5, \frac{2}{3}, 4.1, 0.75, \frac{1}{3}, 4.2,$ 3.1, 2.5	Arrange: $\frac{2}{7}, \frac{1}{3}, \frac{1}{2}, \frac{2}{3}, \frac{3}{4},$ 0.75, 1.5, 2.5, 2.7, 3.1, 4.1, 4.2 Median: 0.75 or $\frac{3}{4}$	6.SP.B.5c

Question number	Question	Answers	Standard
20	3.45, $\frac{2}{7}$, 5.89, $\frac{11}{13}$, 4.67, $5\frac{1}{11}$, 2.22, $\frac{7}{5}$, 6.12, $\frac{3}{8}$, 1.96, $2\frac{1}{5}$	Arrange: $\frac{2}{7}$, $\frac{3}{8}$, $\frac{11}{13}$, $\frac{7}{5}$, 1.96, $2\frac{1}{5}$, 2.22, 3.45, 4.67, $5\frac{1}{11}$, 5.89, 6.12 Median: $\dfrac{2\frac{1}{5} + 2.22}{2}$ = 2.21	6.SP.B.5c

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