

4. This data represents 12 scores on a math test:

2, 6, 7, 10, 16, 18, 22, 22, 28, 28, 31, 37

What is the median score?

- a. 20
- b. 18
- c. 22
- d. 19

ANS: A

	Feedback
A	Correct!!
B	This is the sixth member of the array!
C	This is the seventh member of the array!
D	You have calculated incorrectly. Check your addition and division.

PTS: 1 DIF: Grade 7

REF: 7SDP.1.0 Students collect, organize, and represent data sets that have one or more variables and identify relationships among variables within a data set by hand and through the use of an electronic spreadsheet software program

OBJ: 7SDP.1.2 Represent two numerical variables on a scatterplot and informally describe how the data points are distributed and any apparent relationship that exists between the two variables (e.g., between time spent on homework and grade level).

STA: CA

TOP: Statistics, Data Analysis and Probability

MSC: LFS-541

5. This data represents 12 scores on a math test:

2, 5, 9, 10, 16, 17, 22, 22, 26, 30, 31, 37

What is the highest score?

- a. 37
- b. 38
- c. 31
- d. 39

ANS: A

	Feedback
A	Correct!!
B	38 is not a member of the array.
C	Look at the array again this is not the highest score!
D	39 is not a member of the array.

PTS: 1 DIF: Grade 7

REF: 7SDP.1.0 Students collect, organize, and represent data sets that have one or more variables and identify relationships among variables within a data set by hand and through the use of an electronic spreadsheet software program

OBJ: 7SDP.1.3 Understand the meaning of, and be able to compute, the minimum, the lower quartile, the median, the upper quartile, and the maximum of a data set. STA: CA

TOP: Statistics, Data Analysis and Probability MSC: LFS-541

6. This data represents 12 scores on a math test:

3, 5, 9, 11, 15, 16, 21, 25, 28, 30, 33, 37

What is the lowest score?

- a. 3
- b. 2
- c. 1
- d. 5

ANS: A

	Feedback
A	Correct!!
B	2 is not a member of the array.
C	1 is not a member of the array.
D	Look at the array again this is not the lowest score!

PTS: 1 DIF: Grade 7

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9. This data shows the average amount of time 20 children, aged between six and twelve years old, spent on homework last week.

Look at the scores for **11-yearolds**. What is the range in time spent on homework?

#	Age	Time		#	Age	Time
1	6	7		11	9	60
2	6	14		12	9	67
3	6	17		13	9	71
4	7	21		14	10	80
5	7	29		15	10	85
6	7	34		16	11	70
7	8	44		17	11	77
8	8	47		18	11	87
9	8	52		19	12	61
10	9	42		20	12	90

- a. 70 - 87
 b. 21 - 34
 c. 16 - 24
 d. 65 - 98

ANS: A

	Feedback
A	Correct!
B	This is the range of the 7- yearolds
C	Look at the table again, this range doesn't represent anything !
D	Look at the table again, this range doesn't represent anything !

PTS: 1

DIF: Grade 7

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STA: CA

TOP: Statistics, Data Analysis and Probability

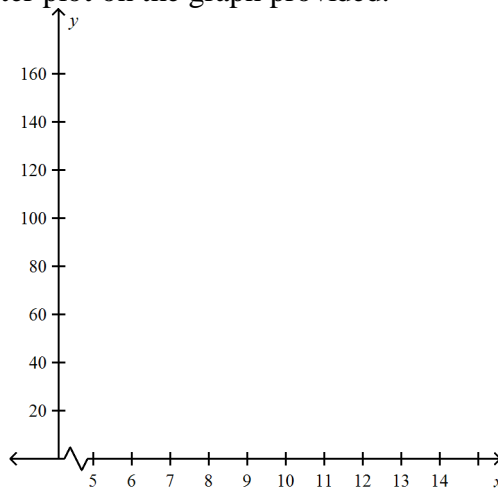
MSC: LFS-541

SHORT ANSWER

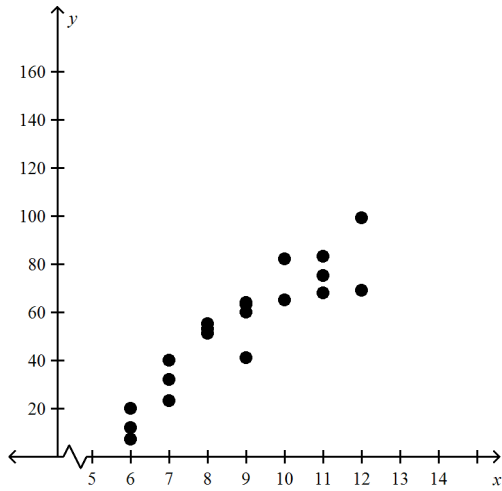
1. This data shows the average amount of time 20 children, aged between six and twelve years old, spent on homework last week.

#	Age	Time		#	Age	Time
1	6	7		11	9	64
2	6	20		12	9	60
3	6	12		13	9	63
4	7	23		14	10	82
5	7	40		15	10	65
6	7	32		16	11	68
7	8	53		17	11	75
8	8	51		18	11	83
9	8	55		19	12	69
10	9	41		20	12	99

Represent the data as a scatter plot on the graph provided.



ANS:



PTS: 1

DIF: Grade 7

REF: 7SDP.1.0 Students collect, organize, and represent data sets that have one or more variables and identify relationships among variables within a data set by hand and through the use of an electronic spreadsheet software program

OBJ: 7SDP.1.1 Know various forms of display for data sets, including a stem-and-leaf plot or box-and-whisker plot; use the forms to display a single set of data or to compare two sets of data.

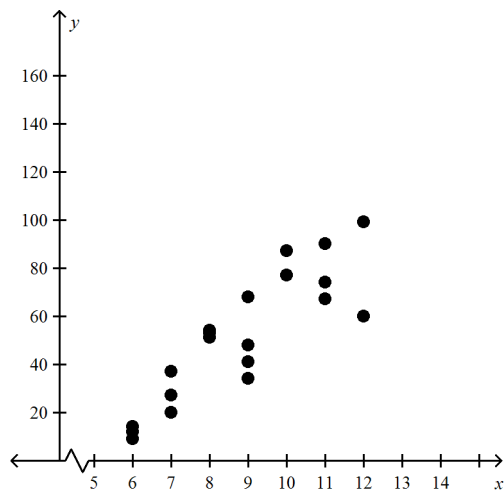
STA: CA

TOP: Statistics, Data Analysis and Probability

MSC: LFS-541

2. This data shows the average amount of time 20 children, aged between six and twelve years old, spent on homework last week.

#	Age	Time		#	Age	Time
1	6	12		11	9	41
2	6	14		12	9	34
3	6	9		13	9	48
4	7	37		14	10	87
5	7	27		15	10	77
6	7	20		16	11	74
7	8	51		17	11	90
8	8	53		18	11	67
9	8	54		19	12	60
10	9	68		20	12	99



Do you see a relationship between age and time spent on homework?
Explain your answer

ANS:

There is a relationship between age and time spent on homework!
As age increases, time spent on homework increases too :)

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