Worksheet 1- Lesson 16

1) A public opinion poll was taken to explore the relationship between age and support for a candidate in an election. The results of the poll are summarized in the table below.

Age	For	Against	No Opinion
21–40	30	12	8
41–60	20	40	15
Over 60	25	35	15

What percent of the 21–40 age group was for the candidate?

(1) 15
(2) 25
(3) 40
(4) 60

Lo que quieres / El total del grupo que quieres x 100

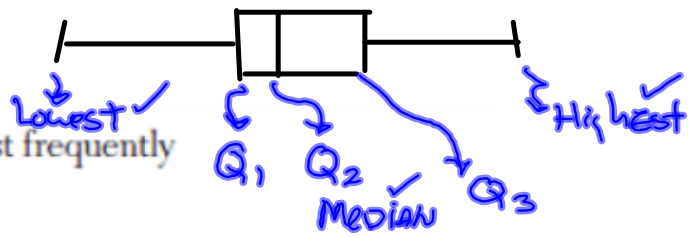
30 / 50 (30+12+8) x 100

= 60

Which statistic can *not* be determined from a box plot representing the scores on a math test in Mrs. DeRidder's algebra class?

(1) the lowest score
(2) the median score
(3) the highest score
(4) the score that occurs most frequently

box PLOT = box and whisker



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3) Robin collected data on the number of hours she watched television on Sunday through Thursday nights for a period of 3 weeks. The data are shown in the table below.

	Sun	Mon	Tues	Wed	Thurs
Week 1	4	3	3.5	2	2
Week 2	4.5	5	2.5	3	1.5
Week 3	4	3	1	1.5	2.5

Min = 1

$Q_1 = 2$

$Q_2 = 3$

$Q_3 = 4$

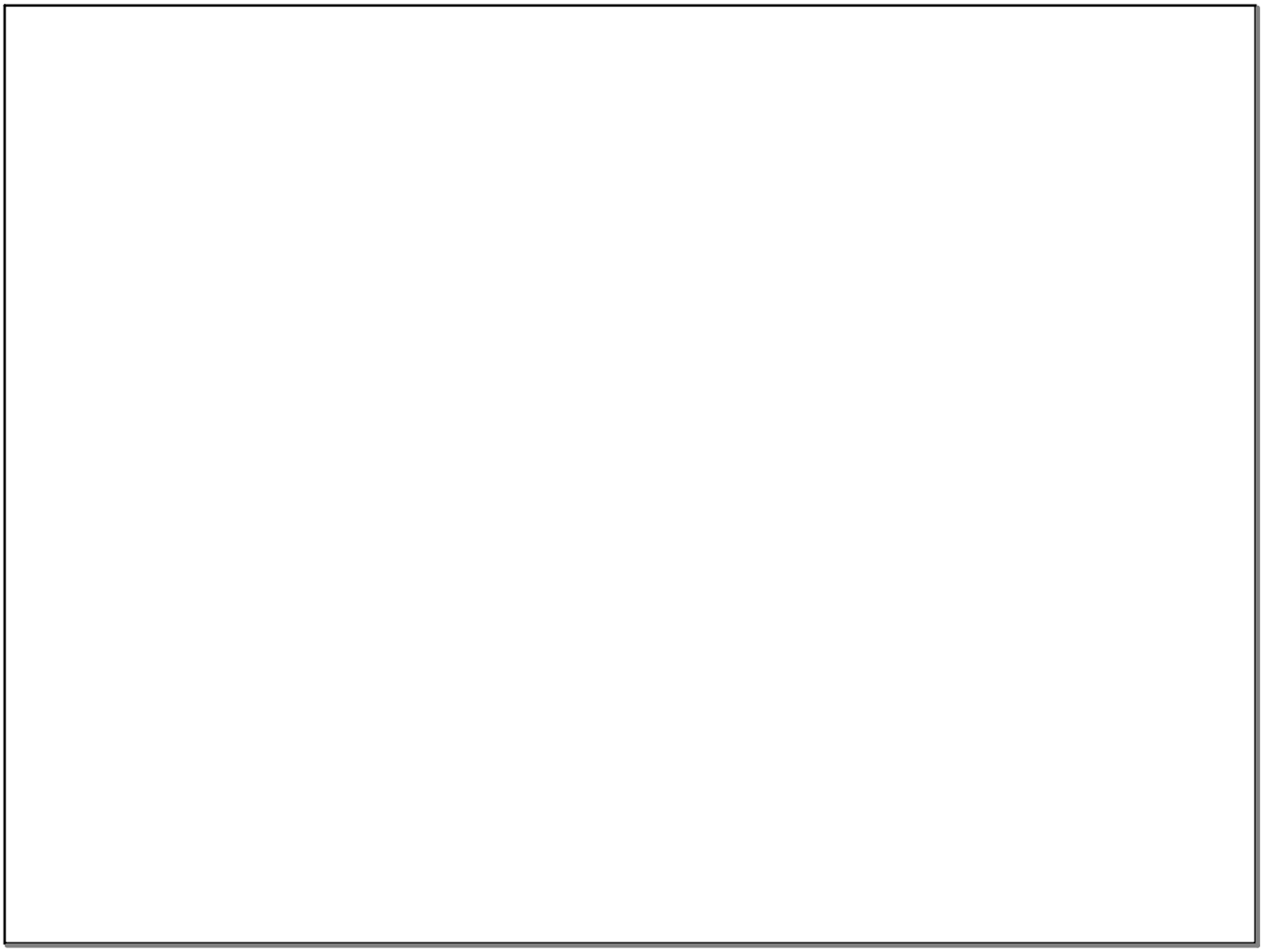
Max = 5

Using an appropriate scale on the number line below, ~~construct a box plot for the 15 values.~~

4) A survey of 100 students was taken. It was found that 60 students watched sports, and 34 of these students did not like pop music. Of the students who did *not* watch sports, 70% liked pop music. Complete the two-way frequency table.

	Watch Sports	Don't Watch Sports	Total
Like Pop	26	28	54
Don't Like Pop	34	12	4
Total	60	40	100

(40)
70% Don't watch
70% of 40
$\frac{70}{100} \times 40$
0.70×40
$= 28$



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