

Choose the correct answer.

1. Which of the following is a numerical data ? [Alexandria – Borg El Arab 24]
A. Name B. Blood type C. Nationality D. Weight
-
2. Which of the following is a numerical data ? [El Menia – Samalot 24]
A. Length B. Address C. Name D. Color
-
3. _____ is one of quantitative data. [Port Said 24]
A. Name B. Weight C. Nationality D. Religion
-
4. Which of the following is a categorical data ? [El Monofia El Shohadaa 24]
A. Weight B. Age C. Favourite color D. Length
-
5. _____ is one of categorical data. [Giza – Abo El Nomros 24]
A. School name B. Age C. Tall D. Weight
-
6. The following data is numerical data except the _____. [El Beheira – Kafr El Dawar 24]
A. age. B. weight. C. name. D. length.
-
7. All the following are categorical data except the _____. [El Beheira – Kafr El Dawar 24]
A. name. B. age. C. color. D. favourite sport.
-
8. "What is the favourite color of each student in your class ?" The type of the answer of this question is _____ data. [Cairo 24]
A. categorical B. numerical C. non-statistical D. otherwise
-
9. Ali is 8 years now , this expresses _____ data. [Cairo 24]
A. quantitative B. categorical C. descriptive D. otherwise
-
10. "How tall pupils in your class ?" is _____ question. [El Monofia – Shebin El kom 24]
A. statistical B. non statistical C. categorical D. otherwise

Choose the correct answer.

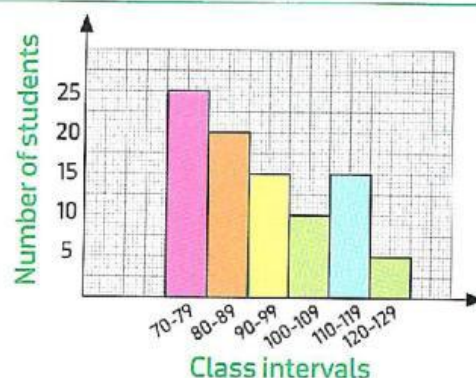
1. An interval frequency table with class intervals of equal sizes using 140 – 159 as one of the class interval is constructed for the following data :
158 , 110 , 258 , 148 , 132 , 200 , 162 , 232 , 200 , 180 , 190 , 210 , 209 , 194 , 292 , 208 , 296 , 182 , 244 , 168 , 100 , 130 , 120 , 206 , 296 , 105 , 148 , 126
then the frequency of the class 200 – 219 is _____

A. 4 B. 5 C. 6 D. 7

2. In the opposite histogram the daily salary interval that has maximum number of workers is _____

A. 70 – 79
B. 100 – 109
C. 90 – 99
D. 80 – 89

[Giza – 6th October 24]

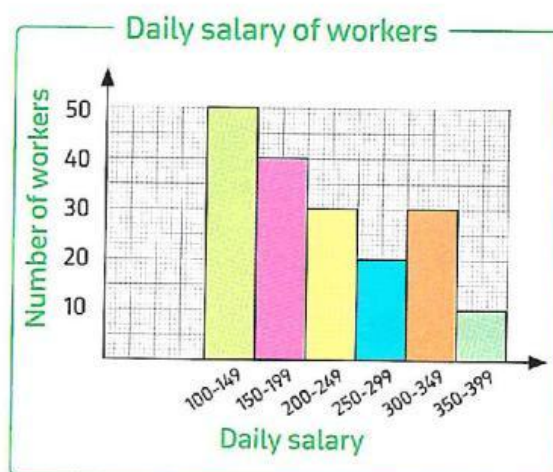


3. The test scores for 10 students were 62 , 68 , 83 , 88 , 89 , 85 , 90 , 97 , 99 , 88
Which frequency table is accurate for this data ?

A.	Intervals	Frequency	B.	Intervals	Frequency	C.	Intervals	Frequency	D.	Intervals	Frequency
	60 – 69	2		60 – 69	2		60 – 69	2		60 – 69	2
	70 – 79	5		70 – 79	0		70 – 79	3		70 – 79	0
	80 – 89	7		80 – 89	5		80 – 89	5		80 – 89	7
	90 – 99	10		90 – 99	3		90 – 99	0		90 – 99	1

4. The opposite histogram shows the daily salary of workers in a factory,
choose the correct answer from the given ones :

- a. The total number of workers = _____
A. 150 B. 160
C. 180 D. 190
- b. The daily salary interval has maximum number of workers is _____
A. 100 – 149 B. 150 – 199
C. 200 – 249 D. 300 – 349
- c. The number of workers whose daily salary is 200 or more = _____



- A. 80 B. 90 C. 120 D. 160
- d. The number of workers whose daily salary is less than 250 is _____
A. 50 B. 90 C. 120 D. 140

Choose the correct answer.

1. The median for the set of data 72, 64, 79, 63, 60, 75, 70, 61 and 77 is _____ [Qena 24]

- A. 61 B. 70 C. 62 D. 76

2. The median of the values 7, 14, 21, 10, 18 and 4 is _____ [Alexandria – Middle 24]

- A. 24 B. 12 C. 10 D. 14

3. The first quartile of the values {42, 35, 63, 7, 28, 21, 14} is _____ [Alex. – Borg El Arab 24]

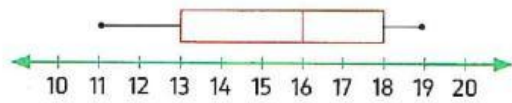
- A. 28 B. 42 C. 14 D. 63

4. From the box plot , the median is _____

[Giza – October Garden 24]

- A. 9 B. 13 C. 16 D. 17

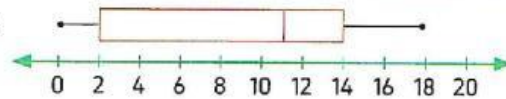
5. From the opposite box plot, the upper quartile _____



[El Monofia – El Bagor 24]

- A. 11 B. 16 C. 18 D. 19

6. From the following box plot, the maximum data point is _____

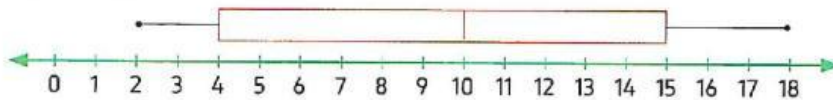


[Port Said 24]

- A. 2 B. 11 C. 14 D. 18

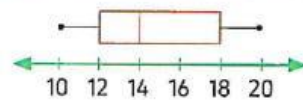
7. From the following box plot, the lower quartile = _____

[Cairo 24]



- A. 2 B. 4 C. 10 D. 15

8. From the opposite box plot, the difference between Q3 and Q1 is _____

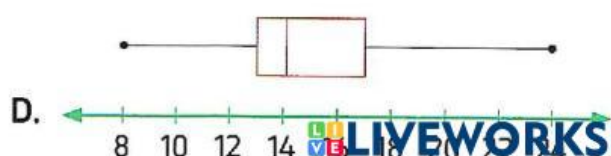
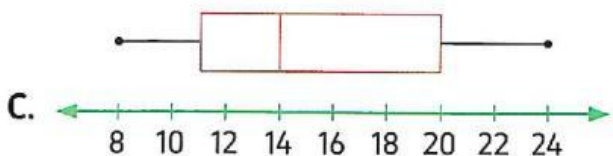
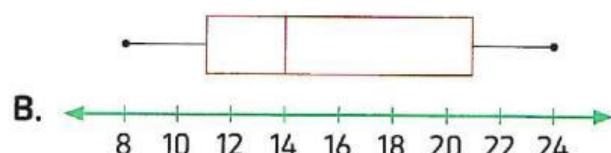
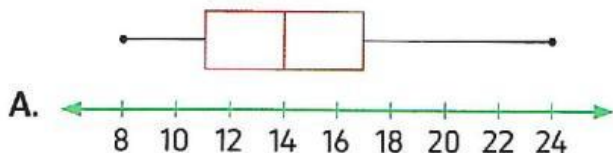


[Cairo – El Mokattam 24]

- A. 6 B. 10 C. 2 D. 7

9. Which box plot represents the data set:

8, 8, 9, 11, 12, 13, 13, 14, 15, 15, 16, 17, 18, 18, 24



Choose the correct answer.

1. The graph that would display the data in the form of equal intervals is _____ [El Beheira – Kafr El Dawar 24]
A. dot plot B. histogram C. bar graph D. box plot
-
2. "What is the number of pupils that have 20 – 35 pictures on their devices ?" the better graphical representation for this question is _____ [El Monofia – El Shohadaa 24]
A. dot plot. B. histogram. C. box plot. D. bar graph.
-
3. Which display makes it easier to see the median ? [Giza - October Garden 24]
A. Histogram B. Box plot C. Dot plot D. Bar graph
-
4. The outlier value of the following data 2 , 3 , 5 , 7 , 2 and 20 set is _____ [El Menia – Deir Mawas 24]
A. 2 B. 3 C. 5 D. 20
-
5. From the following data set 32 , 38 , 27 , 36 , 128 and 29 , the outlier value is _____ [Alex. – Med 24]
A. 38 B. 27 C. 128 D. 29
-
6. The type of graph that represents individual data values is the _____ [Cairo 24]
A. bar graph. B. histogram. C. box plot. D. dot plot.
-
7. Which display makes it easier to see the lower quartile ? [Ismailia 24]
A. Dot plot B. Box plot C. Bar graph D. Histogram

Choose the correct answer.

1. The balance of the data set 21, 22, 24, 24, 25, 26 and 26 is _____

A. 26 B. 25 C. 24 D. 22

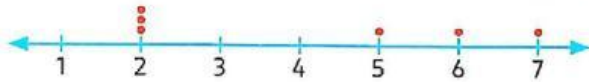
2. In the opposite figure :

The balance point is _____ [Luxor 24]



A. 10 B. 20 C. 30 D. 40

3. The balance point in the opposite figure is _____ [Souhag 24]



A. 3 B. 4 C. 5 D. 6

4. The mean of the data set 7, 13, 6 and 2 is _____

A. 13 B. 7 C. 6 D. 2

5. The mean of the values 6, 8, 9, 8 and 4 is _____ [Cairo 24]

A. 5 B. 6 C. 7 D. 10

6. The mean of 16.5, 18.9, 16.5 and 14.6 is _____

A. 16.6 B. 16.7 C. 16.62 D. 16.625

7. The average of 11, 12, 14, 14, 14, 14, 15, 16 and 16 is _____

A. 13 B. 15
C. 14 D. 11

8. The mean of the following represented



A. 2 B. 3 C. 4 D. 5

9. If the mean of 8, 6, x and 5 is 5, then $x =$ _____

A. 4 B. 3 C. 2 D. 1

10. If the mean of 3, 7, 4, 6, k is 5, then $k =$ _____ [El Monofia - Tala 24]

A. 4 B. 8 C. 5 D. 7

11. If the mean of the marks of 5 students is 20 marks, then the sum of their marks equals _____ marks.

A. 4 B. 15 C. 25 D. 100

12. If the mean of the ages of Hanan and Wesam is 7 years and the age of Hanan is 8 years, then the age of Wesam is _____ years.

A. 6 B. 7 C. 8 D. 15

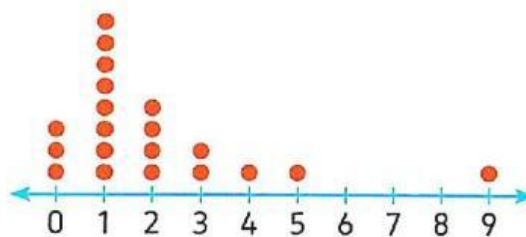
13. If the mean of the side lengths of a triangle is 8 cm, then the perimeter of the triangle is _____

A. 8 cm B. 18 cm C. 24 cm

Choose the correct answer.

1. What is the value that accure most often? [El Menia – Samalot 24]
 A. The median B. The mean
 C. The mode D. The bar graph
2. A set of values with two modes are called _____.
 A. bimodal. B. trimodal.
 C. multimodal. D. non-modal.
3. The mode of 7, 9, 7, 6, 7, 6, 7 and 10 is _____. [Cairo – El Mokattam 24]
 A. 7 B. 8 C. 6 D. 10
4. What is the mode of 12, 14, 15, 19, 19, 21, 27, 31, 32, 46, 53, 56, 57, 58 and 59?
 A. 21 B. 27 C. 32 D. 19
5. The outlier of the following values 5, 7, 55, 12, 10 is _____. [Kafr El-Sheikh 24]
 A. 5 B. 7 C. 55 D. 10
6. The outlier of the following values 30, 5, 34, 37 and 40 is _____. [El Monofia – El Bagor 24]
 A. 5 B. 30 C. 34 D. 40
7. Which of the following data sets has 2 outliers?
 A. 2, 704, 3, 7, 5, 6, 9.
 B. 202, 200, 201, 203, 17, 204, 205.
 C. 13, 40, 41, 42, 43, 44, 70.
 D. 62, 65, 63, 61, 60, 64, 66.
8. Which of the following data sets has No outliers?
 A. 72, 75, 70, 71, 1000, 73, 74.
 B. 1, 2, 19, 3, 4, 5, 0.
 C. 19, 21, 20, 99, 29, 23, 25.
 D. 301, 307, 302, 305, 304, 303.

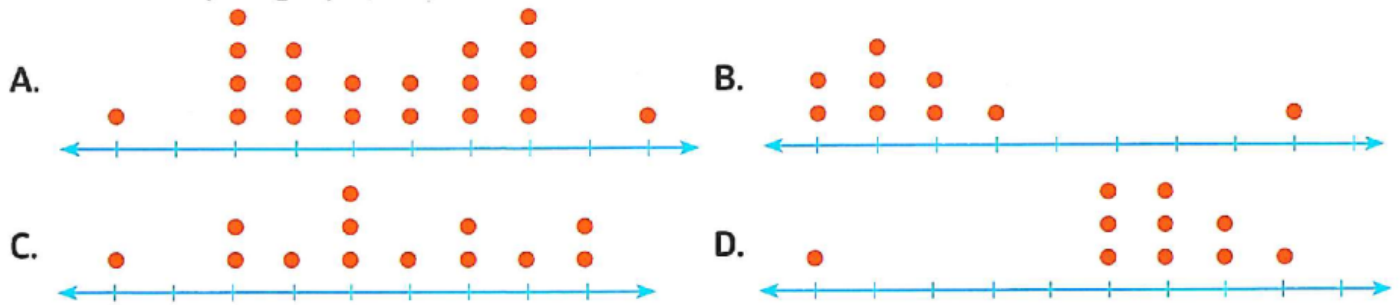
9.  Number of Siblings of Primary 6 students



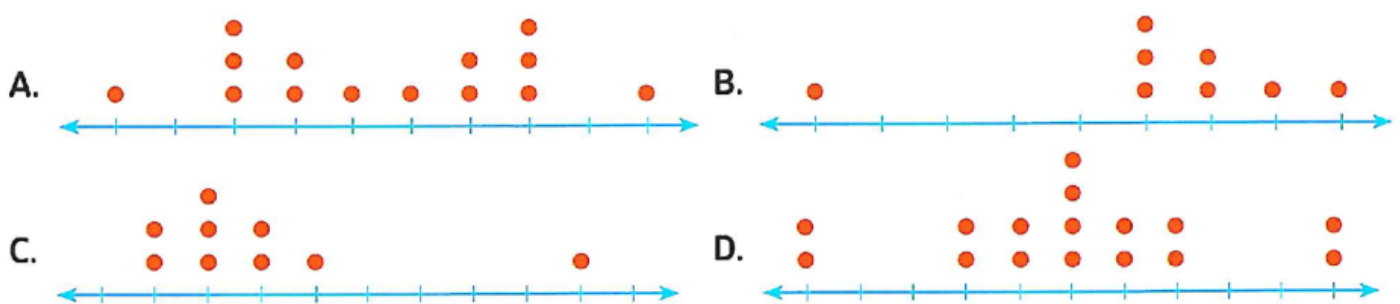
Here is the data from a Primary 6 class. In looking at the dot plot of the data about students' siblings, how does the outlier affect on the mean?

- A. The outlier would not have an effect on the mean.
 - B. The outlier would cause the mean to be lower.
 - C. The outlier would cause the mean to be much higher.
 - D. The outlier would cause the mean to be higher, but the amount would be negligible.
10. If the mode of the values [15, 25, 13, 3 + m, 25, 13] is 25, then find the value of m? [El Menia – Mallawi 24]
 A. 23 B. 25 C. 22

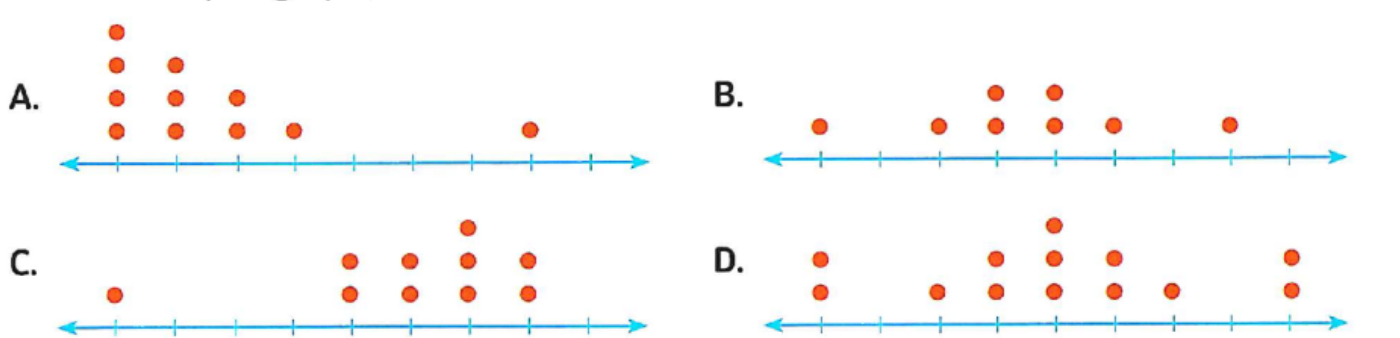
11. In which dot plot graph, the outliers make the mean stay the same?



12. In which dot plot graph, the outlier makes the mean increases?



13. In which dot plot graph, the outlier make the mean decreases?

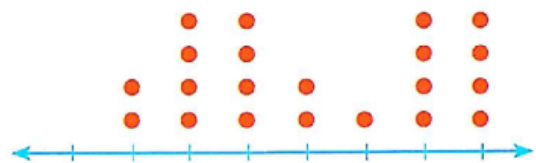


14. The better measure of central tendency for the following data set is _____



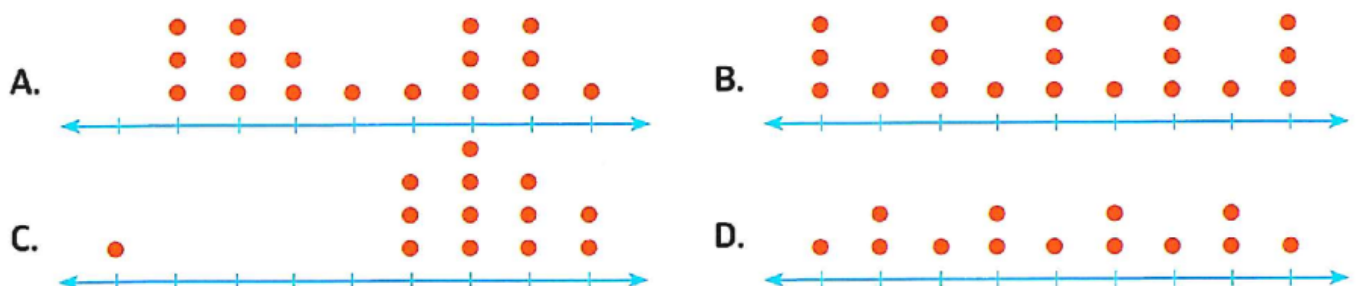
- A. Mean
B. Median
C. Either
D. Neither

15. The better measure of central tendency for the following data set is _____



- A. Mean
B. Median
C. Either
D. Neither

16. The Median is the better measure of central tendency for the following data set which represented by the figure _____



Choose the correct answer.

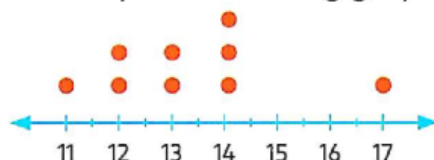
1. The range = greatest value _____ smallest value. [Cairo 24]
- A. + B. -
C. $\times$ D. $\div$

2. The range of the set of values 9, 10, 3, 1 and 11 is _____. [El Menia - Maghagha 24]
- A. 10 B. 12
C. 11 D. 9

3. If the marks of 6 pupils in one of the tests are 29, 33, 57, 40, 36 and 49, then the range for these marks is equal to _____
- A. 4 B. 13 C. 28 D. 20

4. If the values of data set start from 30 to 60, then the range of this data = _____
- A. 30 B. 20 C. 60 D. 90

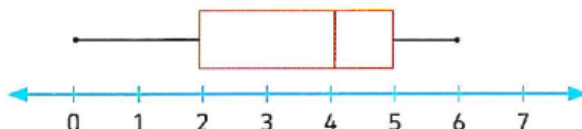
5. The range of data set represented by the following graph is _____



- A. 14 B. 28 C. 6 D. 3

6. In the opposite box plot:
The range = _____

[El Monofia - Menof 24]



- A. 5 B. 6 C. 4 D. 2

7. What is the range of the quiz scores ?
- A. 80 B. 54
C. 7 D. 26

Quiz number	Score
1	78
2	80
3	69
4	54
5	63
6	65
7	71