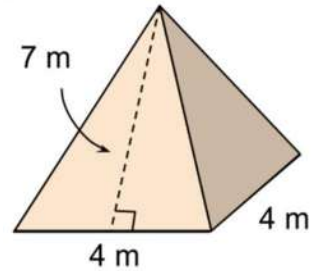


Revision of the central exam 2 - Grade 6

1) Find the surface area of the square pyramid

- a) 37.3 m^2
- c) 231 m^2

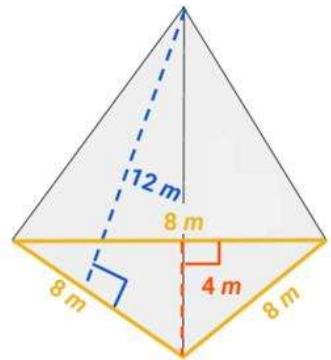
- b) 72 m^2
- d) 33 m^2



2) Find the surface area of the triangular pyramid.

- a) 64 m^2
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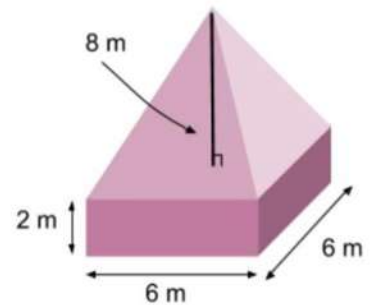
- b) 220 m^2
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3) Find the volume of the given figure.

- a) 576 cm^3
- c) 157.2 cm^3

- b) 168 cm^3
- d) 218.4 cm^3



4) What is the mean absolute deviation of the data (MAD): 20,5,12,15,16,10?

- a) 13
- c) 10

- b) 4
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5) Which measure of center best represents the set of data: 14, 16, 11, 17, 12, 15, 13, 10, 18, 48

a) mean

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c) median

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6) Which of the following is an appropriate display to show the heights of adults arranged by intervals?

a) bar graph

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7) The box plot shows the number of days on the market for single family homes in a city.
What the interquartile range (IQR)?

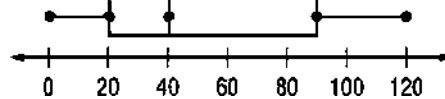
a) 40

b) 60

c) 70

d) 90

Home Sales: Days on the Market



8) The graph shows test scores of students with various grade point averages. What is the best prediction of a student with a grade point average of 3.25?

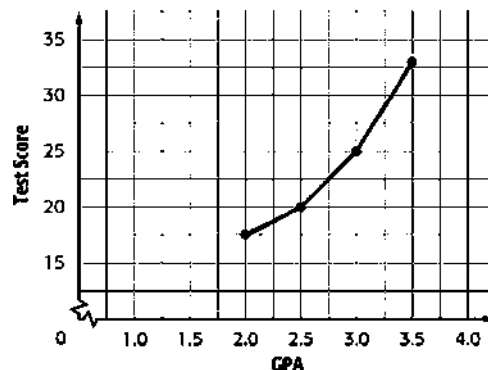
a) 34

b) 29

c) 32

d) 25

Student Test Scores



Use the following set of data: 5, 7, 7, 4, 8, 27, 5, 7, 5, 6, and 5

9) The first quartiles Q_1

- a) 6
- b) 7
- c) 5
- d) 27

10) The third quartiles Q_3

- a) 5
- b) 7
- c) 4
- d) 6

11) The interquartile range of the data. (IQR)

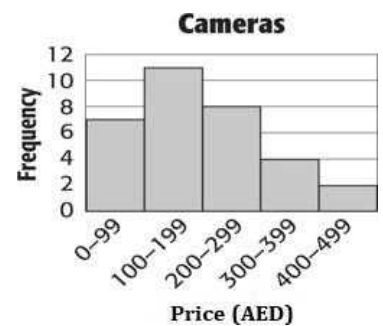
- a) 7
- b) 27
- c) 6
- d) 2

12) The outliers in the data set?

- a) 27
- b) 8
- c) 6
- d) 5

13) Refer to the histogram. How many cameras cost less than AED200?

- a) 9
- b) 18
- c) 6
- d) 8



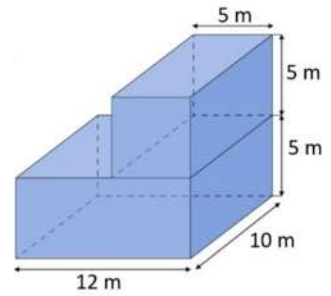
14) Find the volume of the given figure. Round to the nearest tenth if necessary.

a) 15000 m^3

b) 125 m^3

c) 214 m^3

d) 850 m^3



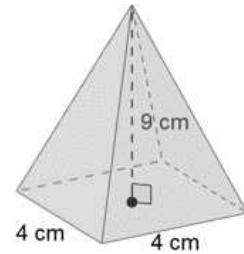
15) Find the surface area of the square pyramid.

a) 24 cm^3

b) 88 cm^2

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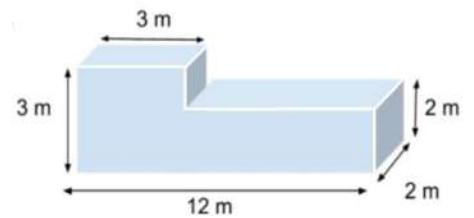
16) Find the volume of the given figure.

a) 432 m^3

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17) The table shows the prices of pens in a store. What is the median price for the pens?

Price of Pens (AED)					
40	37	25	35	29	43

a) AED 38

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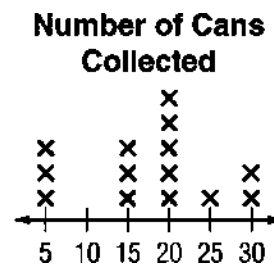
Number of Pets					
5	6	2	3	1	1
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19) Which of the following is an appropriate display to show the average price of a car over the last 10 years?

- a) bar graph
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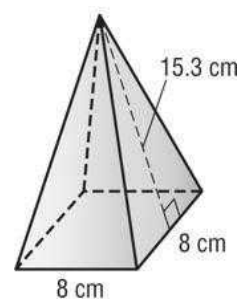
20) The line plot below shows the number of cans collected by the student council. Which of the following describes the data?

- a) symmetric
- b) peak at 15
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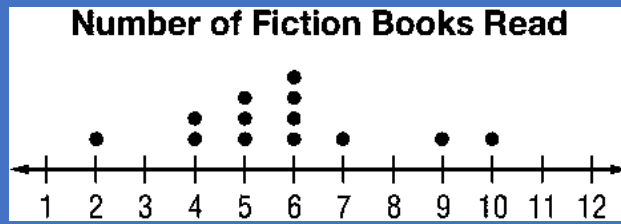


21) Find the surface area of the given square pyramid.

- a) 326.4 cm^2
- b) 308.8 cm^2
- c) 31.3 cm^2
- d) 979.2 cm^2



Use the line plot below



22) What is the mean of the data? Round to the nearest tenth

- a) 6
- b) 10
- c) 5.8
- d) 4.5

23) What is the mode of the data?

- a) 5.8
- b) 6
- c) 7
- d) 5

24) What is the median of the data?

- a) 6
- b) 7
- c) 4
- d) 5

25) The table shows the number of hours Mahra spent sleeping each night for 12 nights.

What is the mode of the data?

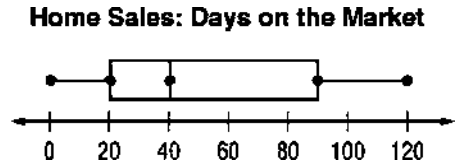
- a) 7
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8	6	7	7
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26) The box plot shows the number of days on the market for single family homes in a city.
 What the first quartile Q_1 ?

- a) 40
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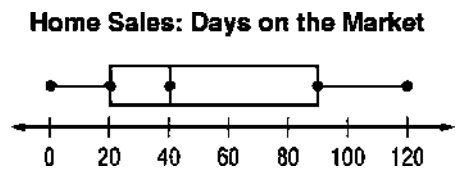
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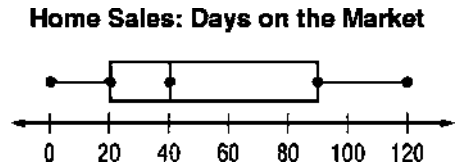
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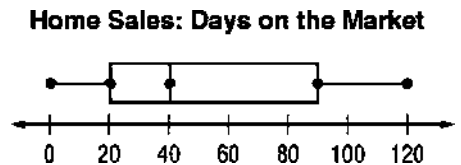
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Answer Keys

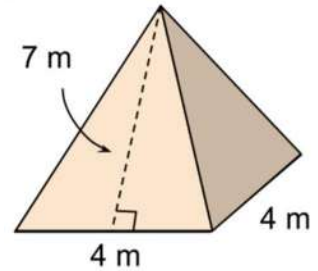
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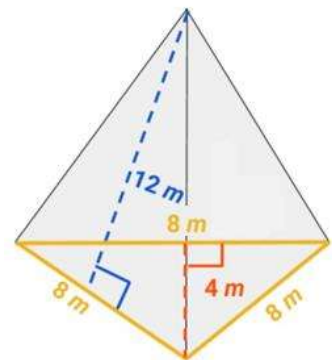
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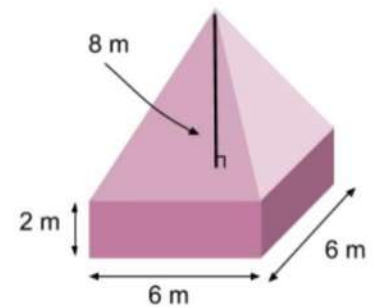
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Home Sales: Days on the Market



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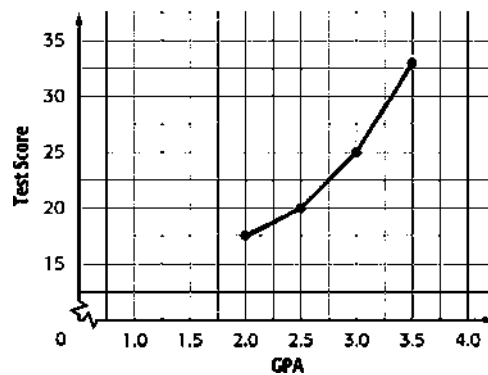
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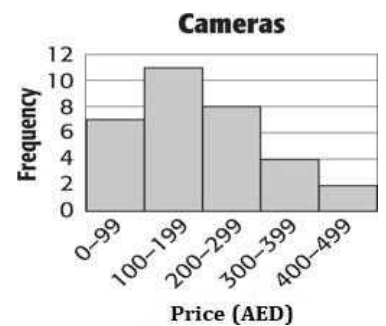
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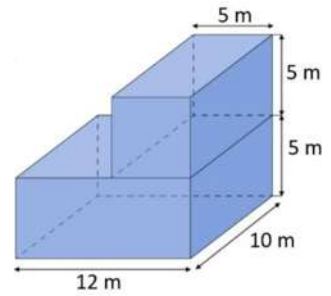
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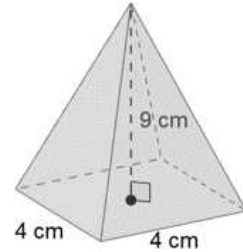
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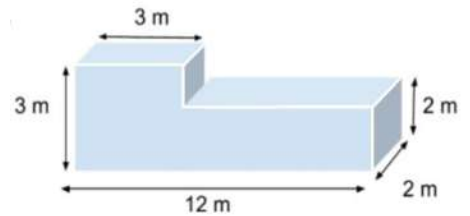
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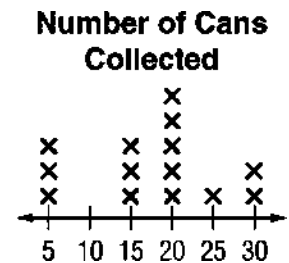
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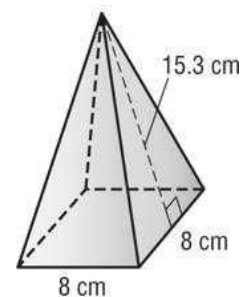
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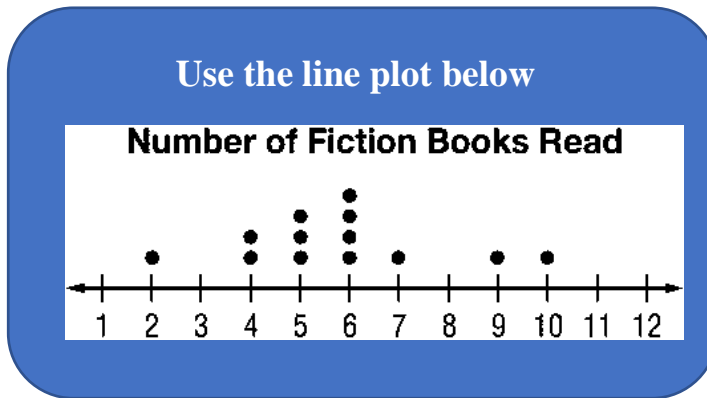


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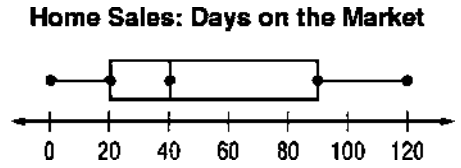
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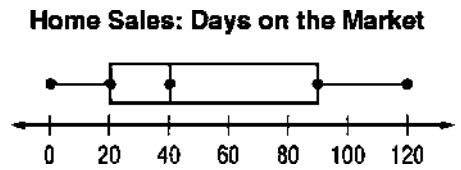
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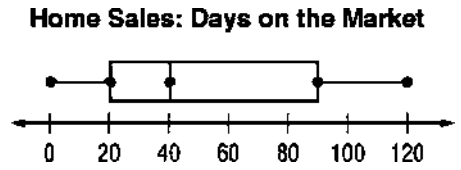
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