

## Revision of the central exam 2 - Grade 6

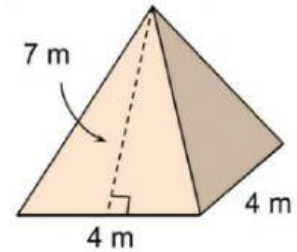
1) Find the surface area of the square pyramid

a)  $37.3 \text{ m}^2$

b)  $72 \text{ m}^2$

c)  $231 \text{ m}^2$

d)  $33 \text{ m}^2$



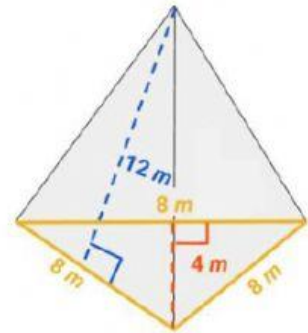
2) Find the surface area of the triangular pyramid.

a)  $64 \text{ m}^2$

b)  $220 \text{ m}^2$

c)  $160 \text{ m}^2$

d)  $40 \text{ m}^2$



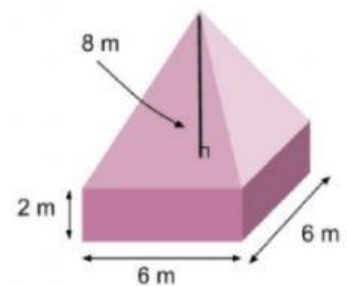
3) Find the volume of the given figure.

a)  $576 \text{ cm}^3$

b)  $168 \text{ cm}^3$

c)  $157.2 \text{ cm}^3$

d)  $218.4 \text{ cm}^3$



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

a) 13

b) 4

c) 10

d) 2.8

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

a) mean

b) mode

c) median

d) range

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

a) bar graph

b) line graph

c) circle graph

d) histogram

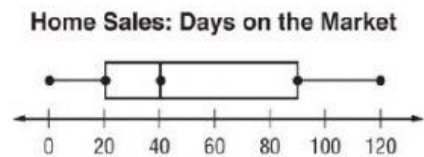
7) The box plot shows the number of days on the market for single family homes in a city.  
What the interquartile range (IQR)?

a) 40

b) 60

c) 70

d) 90



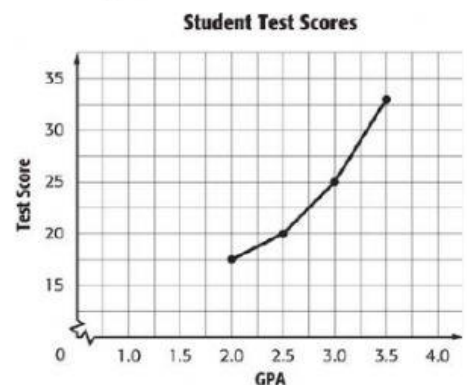
8) The graph shows test scores of students with various grade point averages. What is the best prediction of a student with a grade point average of 3.25?

a) 34

b) 29

c) 32

d) 25



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)

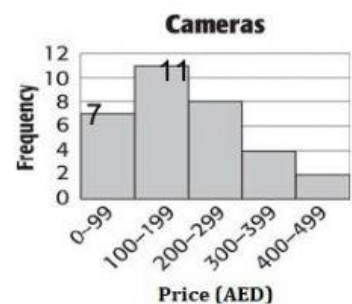
- a) 7
- b) 27
- c) 6
- d) 2

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?

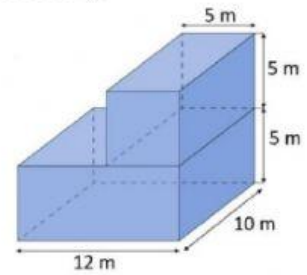
- a) 9
- b) 18
- c) 6
- d) 8



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

- a)  $15000 \text{ m}^3$
- c)  $214 \text{ m}^3$

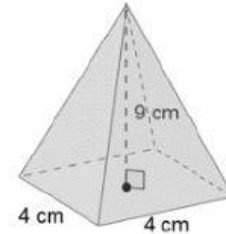
- b)  $125 \text{ m}^3$
- d)  $850 \text{ m}^3$



15) Find the surface area of the square pyramid.

- a)  $24 \text{ cm}^3$
- c)  $230 \text{ cm}^3$

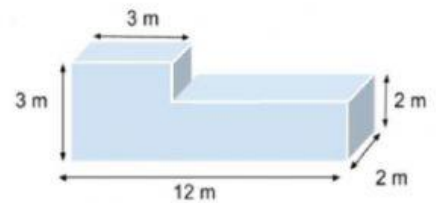
- b)  $88 \text{ cm}^2$
- d)  $48 \text{ cm}^2$



16) Find the volume of the given figure.

- a)  $432 \text{ m}^3$
- c)  $54 \text{ m}^3$

- b)  $24 \text{ m}^3$
- d)  $40 \text{ m}^3$



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
- c) AED 36

- b) AED 43
- d) AED 29

18) What is the mean of the data shown in the table?

a) 2

b) 3

c) 4

d) 5

Number of Pets					
5	6	2	3	1	1
2	3	4	5	2	2

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

b) line graph

c) circle graph

d) histogram

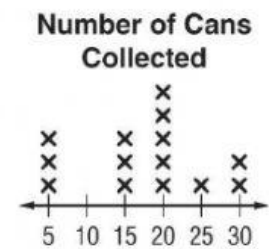
20) The line plot below shows the number of cans collected by the student council. Which of the following describes the data?

a) symmetric

b) peak at 15

c) not symmetric

d) cluster at 10



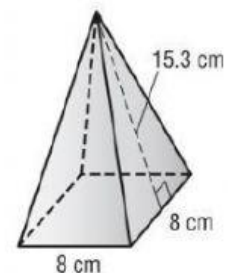
21) Find the surface area of the given square pyramid.

a)  $326.4 \text{ cm}^2$

b)  $308.8 \text{ cm}^2$

c)  $31.3 \text{ cm}^2$

d)  $979.2 \text{ cm}^2$





26) The box plot shows the number of days on the market for single family homes in a city.

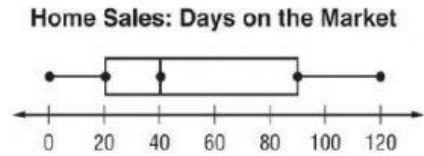
What the first quartile  $Q_1$ ?

a) 40

b) 100

c) 90

d) 20



27) The box plot shows the number of days on the market for single family homes in a city.

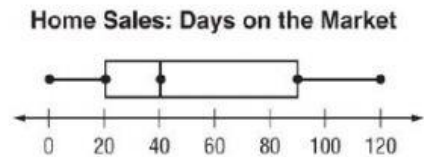
What the Third quartile  $Q_3$ ?

a) 90

b) 40

c) 80

d) 120



28) The box plot shows the number of days on the market for single family homes in a city.

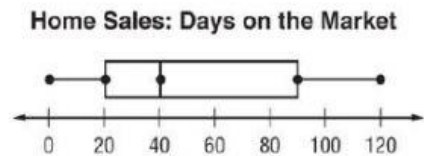
What the median?

a) 120

b) 40

c) 20

d) 75



29) The box plot shows the number of days on the market for single family homes in a city. What percent of the homes were on the market less than 90 days?

a) 0%

b) 50%

c) 25%

d) 75%

