Revision Term 3 - Grade 6
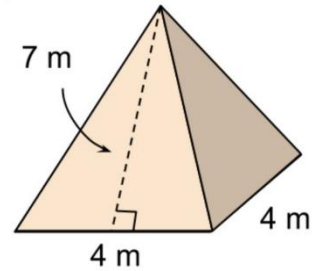
1) Find the surface area of the square pyramid

   a) 37.3 m²

   b) 72 m²

   c) 231 m²
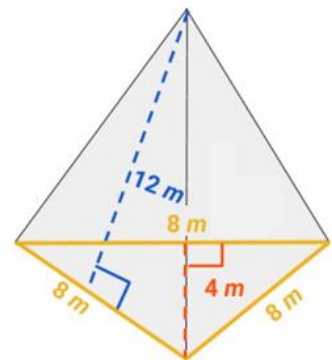
   d) 33 m²

2) Find the surface area of the triangular pyramid.

   a) 64 m²
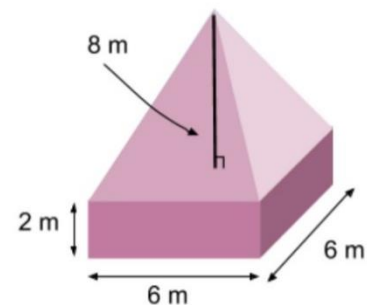
   b) 220 m²

   c) 160 m²

   d) 40 m²

3) Find the volume of the given figure.

   a) 576 cm³

   b) 168 cm³

   c) 157.2 cm³

   d) 218.4 cm³

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 interval?

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)?
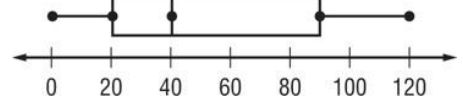
Home Sales: Days on the Market

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 for a student with a grade point average of 3.25?
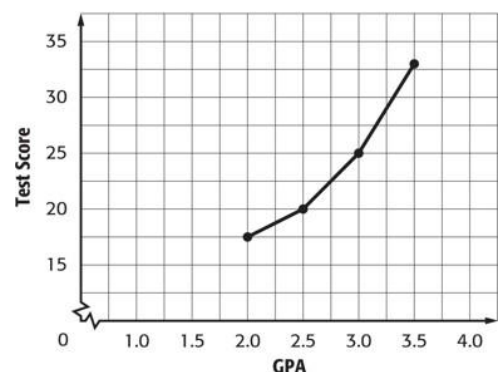
Student Test Scores

a) 34   b) 29

c) 32   d) 25

Use the following set of data: 5, 7, 7, 4, 8, 27, 5, 7, 5, 6, 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
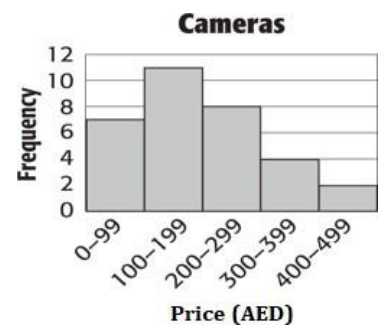
12) The outliers in the data set?

    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

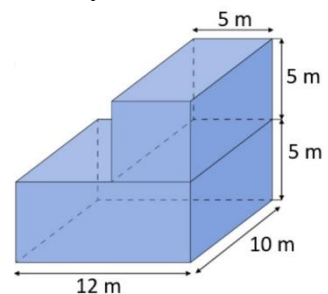Cameras — Frequency vs Price (AED)

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

a) 15000 m³   b) 125 m³

c) 214 m³   d) 850 m³
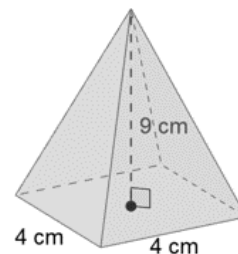
15) Find the surface area of the square pyramid.

a) 24 cm³   b) 88 cm²

c) 230 cm³   d) 48 cm²
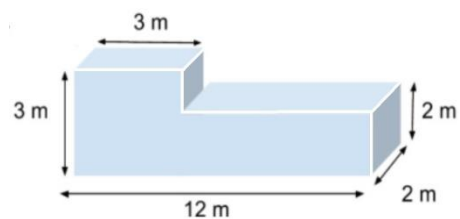
16) Find the volume of the given figure.

a) 432 m³   b) 24 m³

c) 54 m³   d) 40 m³

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   b) AED 43

c) AED 36   d) AED 29

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

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

a) 2

b) 3

c) 4

d) 5

19) Which of the following is an appropriate display to show the average price of a car over the last 10 years?
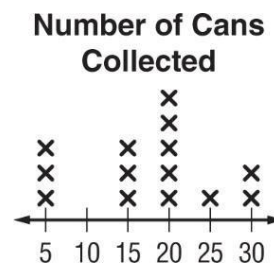
a) bar graph

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?
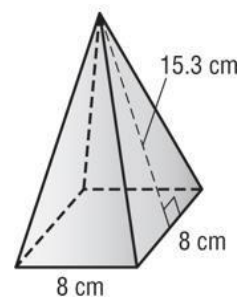
a) symmetric

b) peak at 15

c) not symmetric

d) cluster at 10

Number of Cans Collected


```
                ×
                ×
        ×   × ×
    ×   × × ×       ×
    ×   × × × × ×
  ─┼──┼──┼──┼──┼──┼─
   5 10 15 20 25 30
```

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

a) 326.4 cm²

b) 308.8 cm²

c) 31.3 cm²

d) 979.2 cm²

15.3 cm

8 cm

8 cm

Number of Fiction Books Read

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.
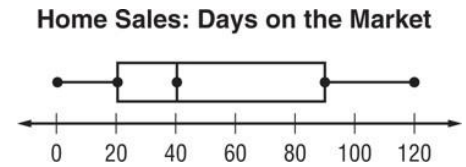
   What is the mode of the data?

Hours Spent Sleeping			
8	6	7	7
10	8	8	10
8	8	5	7

a) 7   b) 10

c) 5   d) 8

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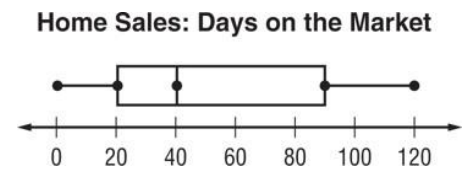What the first quartile Q_1?

Home Sales: Days on the Market

a) 40

b) 100

d) 20

c) 90

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?

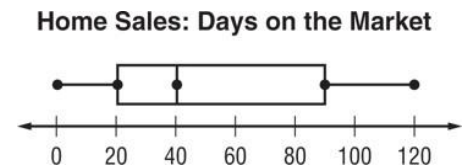**Home Sales: Days on the Market**

a) 90

b) 40

d) 120

c) 80

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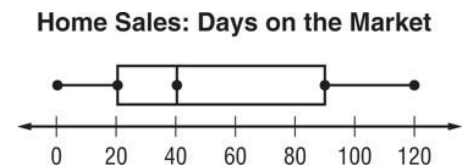What the median?

Home Sales: Days on the Market

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?

Home Sales: Days on the Market

a) 0%

b) 50%

c) 25%
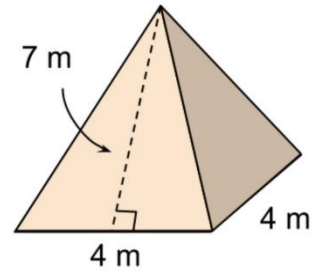
d) 75%

1) Find the surface area of the square pyramid

a) 37.3 m^2 b) 72 m^2

c) 231 m^2 d) 33 m^2

7 m

4 m

4 m
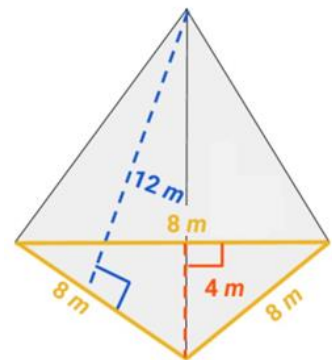
2) Find the surface area of the triangular pyramid.

a) 64 m^2 b) 220 m^2
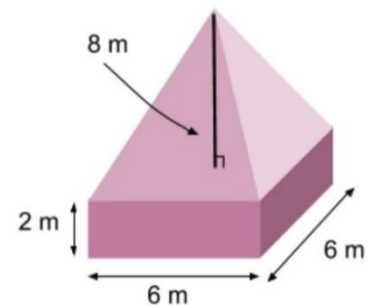
c) 160 m^2 d) 40 m^2

12 m

8 m

8 m   4 m   8 m

3) Find the volume of the given figure.

a) 576 cm^3 b) 168 cm^3

c) 157.2 cm^3 d) 218.4 cm^3

8 m

h

2 m

6 m   6 m

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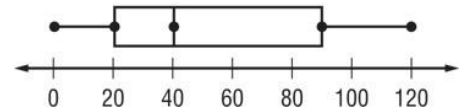What the interquartile range (IQR)?

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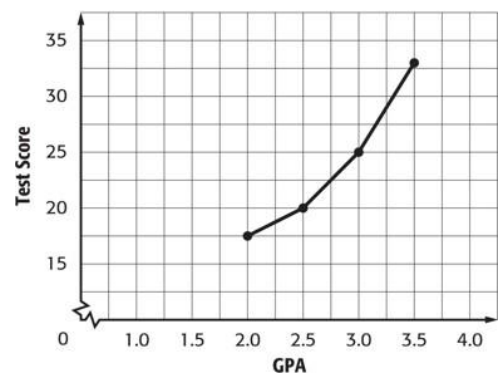
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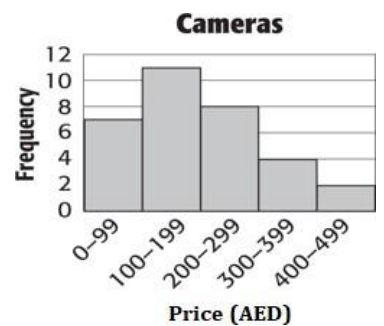
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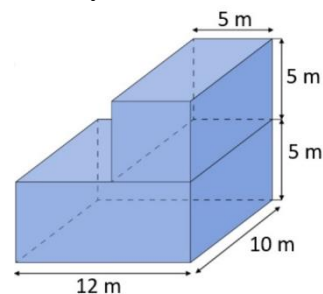
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Cameras

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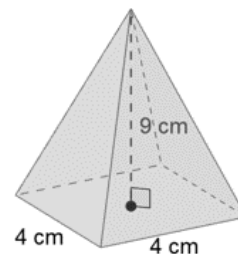14) Find the volume of the given figure. Round to the nearest tenth if necessary.

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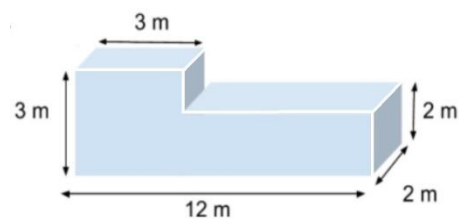
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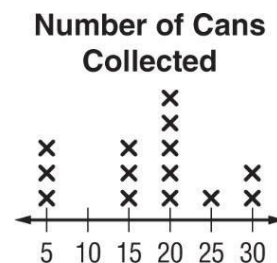
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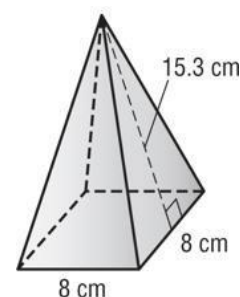b) peak at 15

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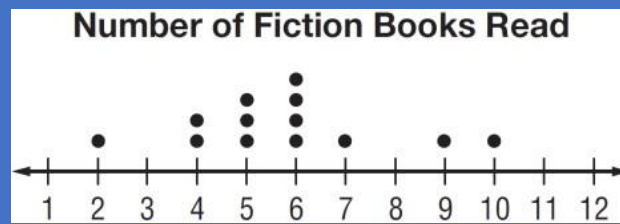
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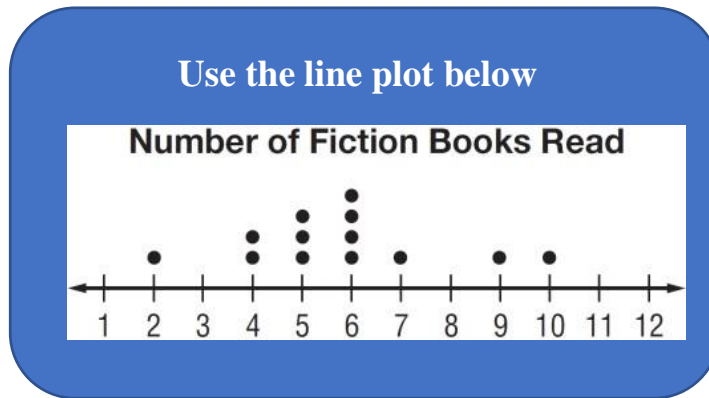

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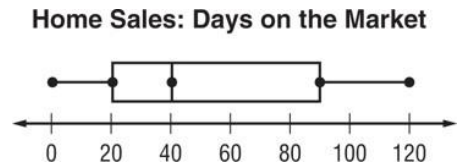
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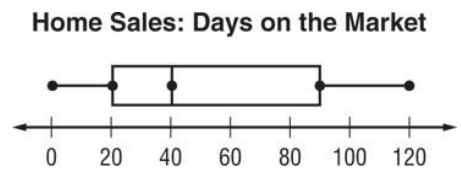
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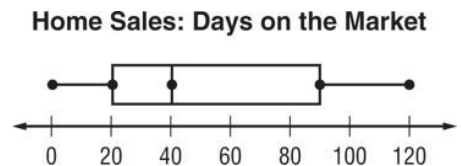**Home Sales: Days on the Market**

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