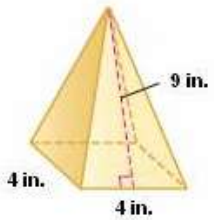
Revision – Grade 6 – Math – Exam 2 – Term 3 – 2019/2020

1. Find the surface area of the pyramid.



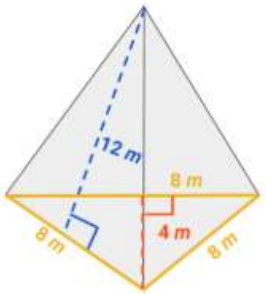
A. ○ 72 in^2

B. ○ 88 in^2

C. ○ 70 in^2

D. ○ 106 in^2

2. Find the total surface area of the triangular pyramid.



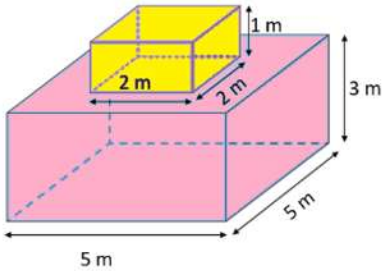
A. ○ 160 m^2

B. ○ 144 m^2

C. ○ 16 m^2

D. ○ 24 m^2

3. Find the volume of the composite figure.



A. ○ 82 m^3

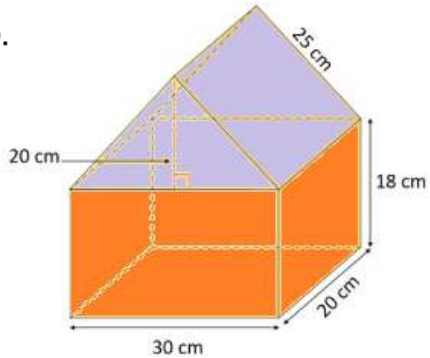
B. ○ 71 m^3

C. ○ 79 m^3

D. ○ 75 m^3

4. Find the surface area of the composite figure.

(9 faces)



A. ○ 2000 m^2

B. ○ 3000 m^2

C. ○ 4000 m^2

D. ○ 5000 m^2

5. Find the mean of {15, 7, 9, 25, 4}.

A. ○ 13

B. ○ 10

C. ○ 12

D. ○ 9

6. Find the median for the data set
2, 3, 5, 7, 9, 10, 12, 15.

A. ○ 8

B. ○ 10

C. ○ 7

D. ○ 9

7. Find the mode of the set of data.

24, 25, 30, 31, 31, 33, 34, 38, 41, 42, 44, 48, 49, 67

A. ○ 67

B. ○ 31

C. ○ 34

D. ○ 36

8. Find the mean, median, and mode of 32, 37, 20, 26, 42, 39, 26, 34, respectively.

A. ○ 34; 33; 26

B. ○ 32; 33; 26

C. ○ 32; 32; 26

D. ○ 34; 33; 26

9. Find the range of the data set

145, 612, 120, 349, 515, 212, 590.

A. ○ 512

B. ○ 470

C. ○ 445

D. ○ 492

10. Find the interquartile range of the data.

68, 15, 55, 5, 66, 42, 51, 12, 23

A. ○ 47

B. ○ 42

C. ○ 63

D. ○ 60.5

11. Find all outliers for the data.

20, 16, 8, 12, 6, 31, 15, 14

A. ○ none

B. ○ 6 and 31

C. ○ 31

D. ○ 6

12. Find the mean absolute deviation for the data in the table.
Round to the nearest tenth if necessary.

Plant Heights (in.)		
12	14	15
10	16	17

A. ○ 2

B. ○ 2.5

C. ○ 1.8

D. ○ 3

13. Which measure of central tendency is most representative of the data?

6, 8, 3, 5, 32, 6, 5, 4, 28, 2, 2, 2

A. ○ range

B. ○ mode

C. ○ median

D. ○ mean

14. Which measure of central tendency is most representative of the data?

1, 3, 17, 20, 4, 3, 18, 1, 2, 19

A. ○ range

B. ○ mean

C. ○ median

D. ○ mode

15. Which measures of central tendency are representative of the data?

15, 10, 13, 20, 152, 18, 8, 5, 13

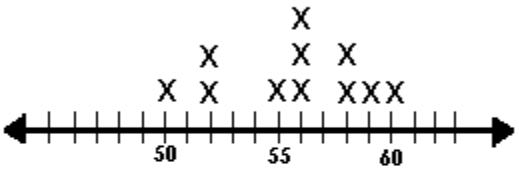
A. ○ median and mode

B. ○ mean, median , and mode

C. ○ mean and median

D. ○ mean and mode

16. Use the line plot to find the mode.



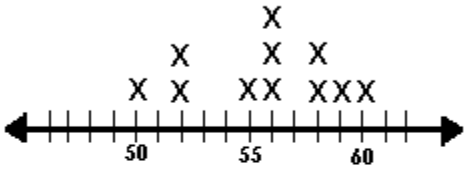
A. ○ 55

B. ○ 56

C. ○ 10

D. ○ 50

17. Use the line plot to find the range.



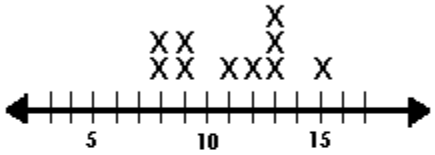
A. ○ 10

B. ○ 110

C. ○ 56

D. ○ 60

18. Use the line plot to find the median.



A. ○ 13

B. ○ 11.5

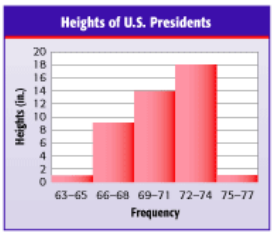
C. ○ 7

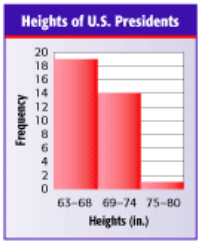
D. ○ 12

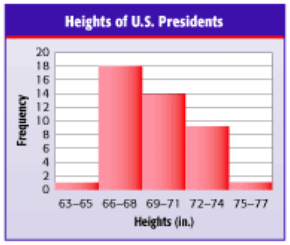
19. The table shows the heights of U.S. Presidents. Which is a histogram of the data?

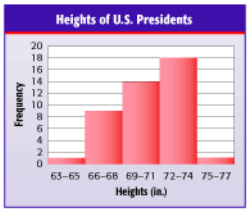
Heights (in.)	Frequency
63-65	1
66-68	9
69-71	14
72-74	18
75-77	1

Source: whitehouse.gov

A. ○ 

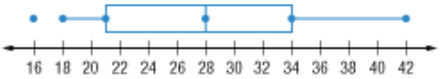
B. ○ 

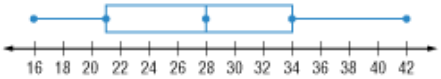
C. ○ 

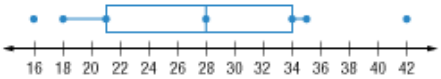
D. ○ 

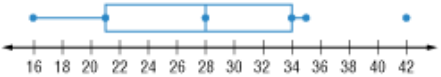
20. Which box-and-whisker plot represents the data?

18, 27, 16, 29, 30, 42, 35, 34, 24, 21

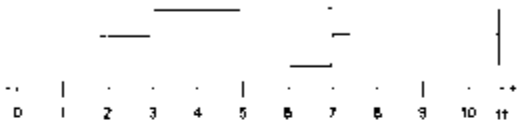
A. ○ 

B. ○ 

C. ○ 

D. ○ 

21. Find the upper extreme.



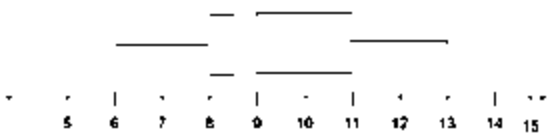
A. ○ 1

B. ○ 6

C. ○ 7

D. ○ 11

22. Find the median.



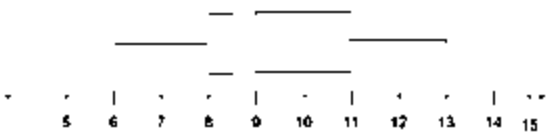
A. ○ 6

B. ○ 8

C. ○ 9

D. ○ 13

23. Find the range.



A. ○ 5

B. ○ 6

C. ○ 7

D. ○ 11

24. Find the first quartile in the data set.

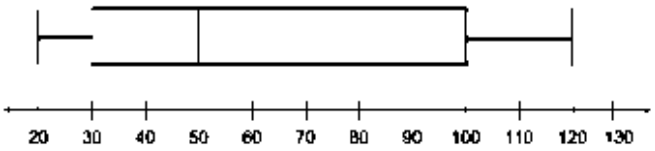
A. ○ 1

B. ○ 3

C. ○ 4

D. ○ 7

25. Find the interquartile range (IQR).



A. ○ 20

B. ○ 50

C. ○ 70

D. ○ 100

26. If the left side of a distribution looks like the right side, then the distribution is _____

A. ○ skewed

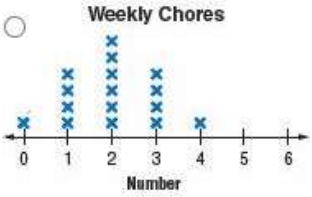
B. ○ normal

C. ○ symmetric

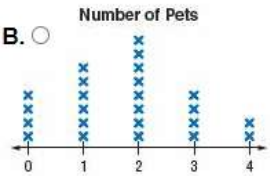
D. ○ clustered

27. Which set of data has an outlier?

A. ○



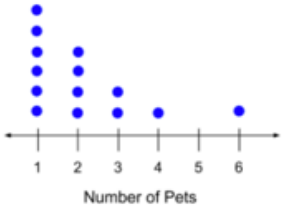
B. ○



C. ○

D. ○

28. Which statement best describes the shape of the distribution?



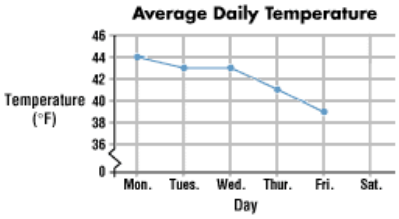
A. ○ The shape of the distribution has a cluster on the right.

B. ○ The shape of the distribution has a cluster on the left.

C. ○ The shape of the distribution dose not have gaps.

D. ○ The shape of the distribution is symmetric distribution.

29. The line graph shows the average daily temperature for a city. Predict the average temperature in the city for Saturday.



A. ○ 37°F

B. ○ 43°F

C. ○ 46°F

D. ○ 0°F

30. The table shows the number of students who voted for each candidate for class president. Which is an appropriate type of display to compare the number of votes for each candidate?

Candidate	Votes
Becky	42
Crystal	25
Jodi	35
Josh	58
Matt	52

A. ○ bar graph

B. ○ histogram

C. ○ line graph

D. ○ line plot

31. The table shows the population of Fort Worth, Texas. Which is an appropriate type of display to determine how the population has changed since 1950?

Fort Worth, Texas	
Year	**Population**
1950	278,778
1970	393,455
1980	385,164
1990	447,619
2000	541,099
2004	603,337

Source: *The World Almanac*

A. ○ line plot

B. ○ histogram

C. ○ line graph

D. ○ bar graph

Answers:

1. B	2. A	3. C	4. C	5. C
6. A	7. B	8. B	9. D	10. A
11. C	12. A	13. C	14. B	15. A
16. B	17. A	18. B	19. D	20. B
21. D	22. C	23. C	24. B	25. C
26. C	27. C	28. B	29. A	30. A
31. C				