Practice 2

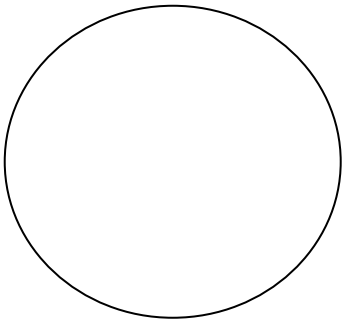
1. The mean age of 19 members of the business group is 40, if a 50 year old man joins thee group, find the mean of the business group.

2. Construct a Stem & Leaf graph for the following data:

65, 87, 70, 62, 61, 85, 85, 87, 82, 81, 91, 93, 54, 97, 99

3. To make a circle graph for the following data, find the measure of the central angle for CLOTHING.

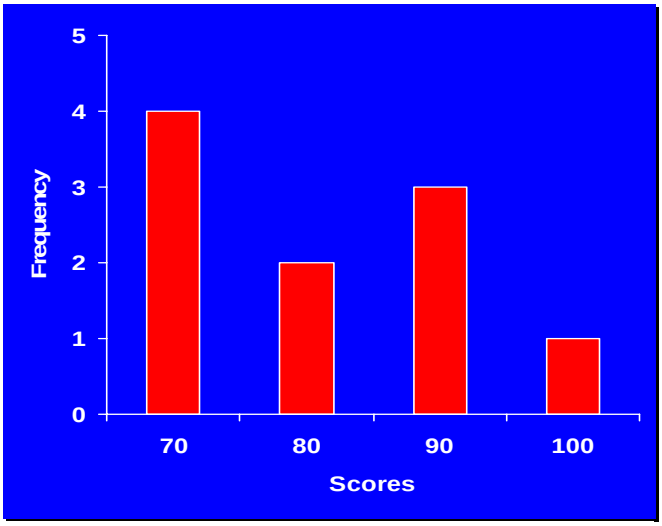
Savings	$300
Housing	500
Clothing	200
Food	800
Other	200



4. Construct a Box & Whisker graph for the following data:

100, 65, 87, 70, 62, 61, 85, 83, 99, 87, 82, 81, 91, 93, 54, 97

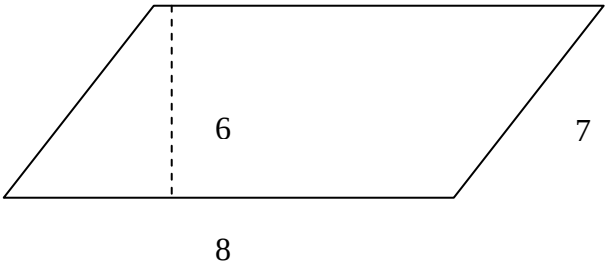
5.



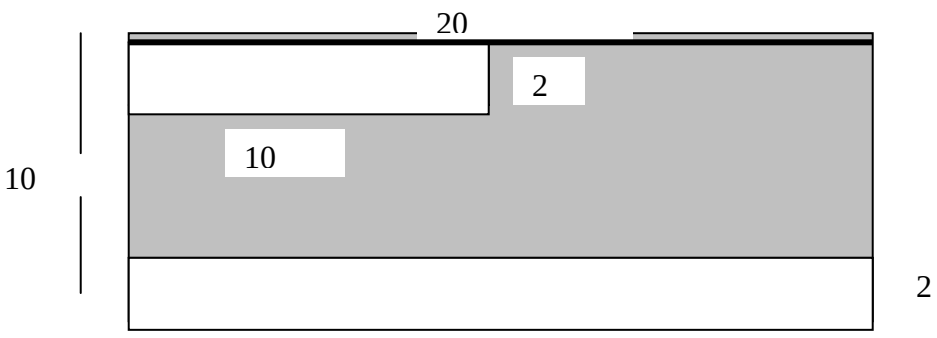
Use the graph to find the mean, median, mode, and range.

6. Find the supplement of $\angle$ A, if $\angle$A measures 60˚

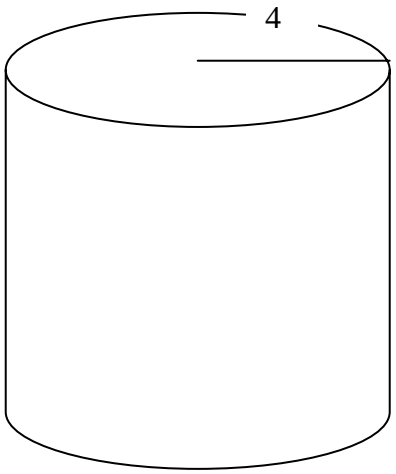
7. Area



8. Area



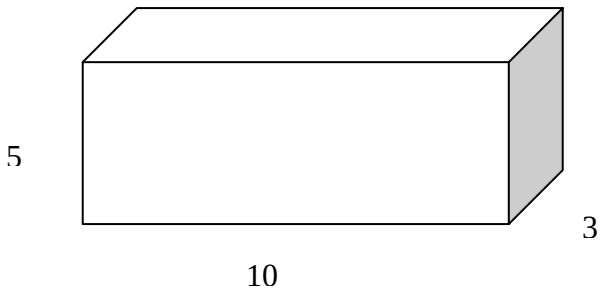
9. Volume



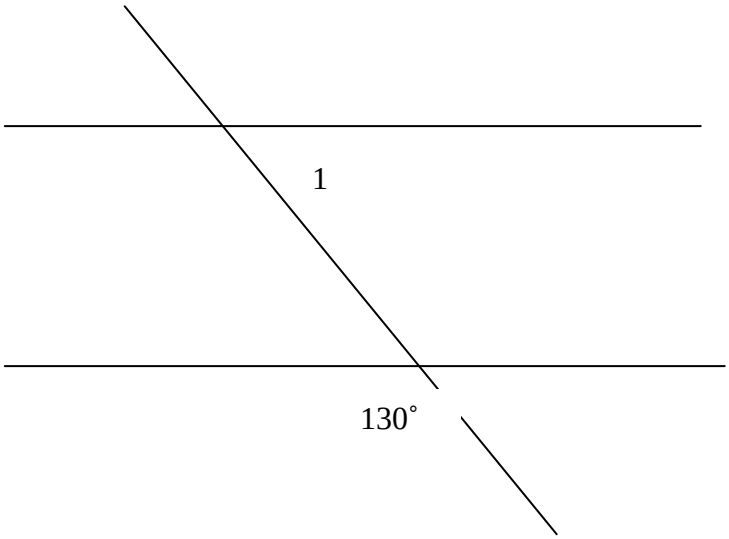
10. Find the SUM of the interior angles of a pentagon.

11. If the interior angle of a regular polygon measures 150˚, how many sides does it have?

12. Find the lateral area, find the surface area.

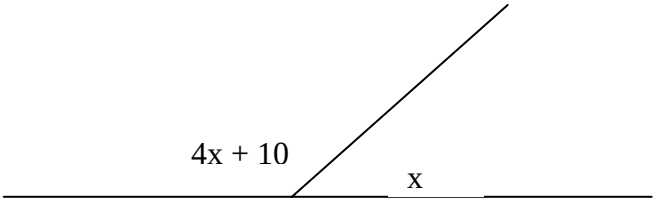


13.

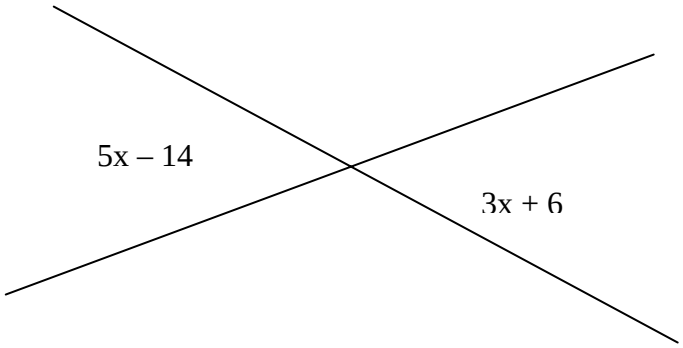


Find $\angle 1$

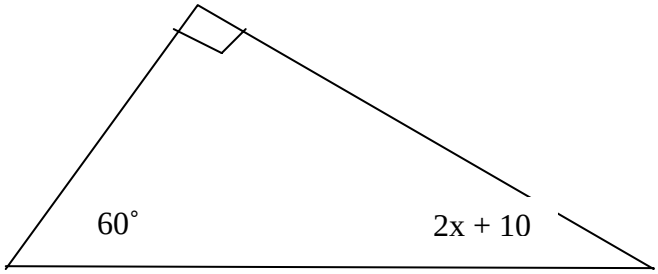
14. Find the value of x.



15.



16. Find x



17. How many ways can a president and vice president be chosen from a committee of 5 people, if the first person chosen is the president and second person is the vice president?

18. How many different cars can be manufactured if you have a choice of 5 exterior colors, two fabrics on the inside, and a choice of a 4, 6, or 8 cylinder engine?

19. A fast food restaurant includes toys in each child's meal. If the toys include two types of dolls, three types of cars, four types of movie characters, and five stuffed animals, what is the probability of a child receiving a car or a stuffed animal with their meal?

20. If two coins are tossed, what's the probability they will both be tails?