c.	0.00065 km 2
d.	20 Fir trees in finite
e.	30 ml
f.	30. ml 2
g.	30.0 ml
2. Write	the term that corresponds to the following definitions:
a.	Describes evidence that documents only what actually happened as exactly as possible
b.	Variable that you (the experimenter) change in an experiment
c.	In Lependent Meaningful digits in a measured quantity Significant Lights
d.	Application of science to meet human needs and solve problems
e.	Amount of space between 2 points
f.	Smallest interval that can be measured
	resolution
g.	Measuring system used for everyday measurements in the U.S.
h.	Process of learning – begins with hypothesis & proceeds to prove or change it by comparing it to scientific evidence
i.	Figure something out from known facts using logical thinking

1. How many significant digits are in the following measurements?

a. 1300 m 2

b. 3.20 g 3

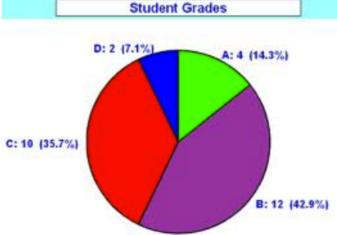
j.	Evidence than can be seen independently by others if they repeat the
	same experiment or observation in the same way 0
	repeatable
k.	Professional who uses scientific knowledge to create or improve inventions to solve problems or meet human needs
	Group of variables that are related
l.)
	Syptim
m.	Variable kept constant in an experiment
	control
n.	Determination of the amount of something
	mesurement
o.	How close together or reproducible repeated measurements are
	policision
p.	How close a measurement is to the accepted or true value
	acerracy
q.	Fixed amount of something
	unit
r.	Working model of a design that can be tested
	prototype
s.	Situation specifically set up to investigate relationships between
	variables
t.	Factor that affects how an experiment works
	Variable
u.	Each time an experiment is tried
	tial
v.	Possible explanation of observations – can be tested by comparison to
	scientific evidence
	hypothesis
w.	Scientific explanation supported by a lot of evidence collected over a long period of time
	theory
	V

x. Describes evidence that documents only what actually happened as exactly as possible		
y. Process of learning that starts with asking questions, proceeds by		
seeking answers to questions		
Scientisi nethod		
z. Theory that's been tested many times without any contradictions		
Low		
aa. Measured distance		
Cenzth		
bb. Basic SI unit of length		
bb. Basic SI unit of length		
cc. Basic SI unit of mass		
gram		
dd. Basic SI unit of liquid volume		
liter		
ee. Visual representation of data		
graph		
ff. 1 variable increases with an increase in another variable		
direct relationship		
gg. 1 variable decreases when another variable increases		
inverse relationship		
•		

kk. 1 variable decreases when another variable increases

4. What type of graph is illustrated below? What kind of data is shown in this type of graph?

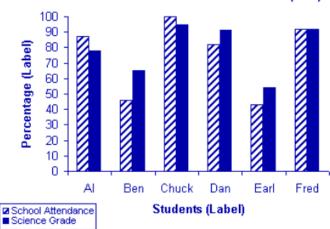
pie chert - how a whole is dvidel into purts



5. What type of graph is illustrated below? What kind of data is shown in this type of graph?

Bargraph - compare groups of Lita

School Attendance and Science Grades (Title)



6. What type of graph is illustrated below? What kind of data is shown in this type of graph?

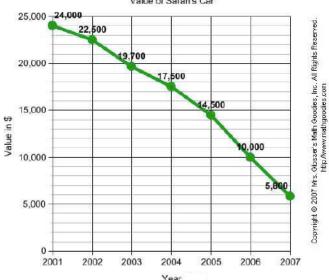
pe of graph?

Line graph - Shows how a variable changes

Value of Sarah's Car

25,000 -24,000

A fine

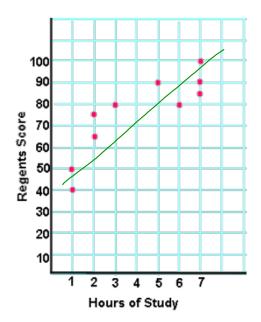


7. What type of graph is illustrated below? What kind of data is shown in this type of graph?

type of graph is illustrated.

of graph?

Scatter plot - Shows if there's a
relationship
between
them.



- 8. Make the following conversions:
 - a. 8550 mm = 8.55 mb. 0.3 cm = 9.55 m

 - c. $9450 \, \text{g} = \frac{9.45}{1.45} \, \text{kg}$
 - d. 800 mg = 0.8 g
 - e. 150 mL = 0.15 L
 - f. 0.00065 km = 650 mm
- 9. Which is largest? (circle the correct answer)

Millimeter decimeter Dekameter centimeter

10. Are scientific theories unchangeable? Why or why not?

NO - can be change if New exidences requires it.

11. What is the most important tradition in science?

truthful reporting