

Name: Dan VE

Science Test

I. True or False

- T 1. ~~The same~~ animals can be classified into many different groups.
- F 2. A hypothesis must always be correct.
- T 3. ~~There~~ ^{OK} is a positive (+) correlation between an animals heart rate and breathing rate.
- T 4. Our body uses oxygen to burn food.
- F 5. There is no correlation between the speed an animal can run and his heart rate.
- T 6. The best way to compare two groups is by average.
- T 7. Organization of data makes it easier to analyze.
- F 8. Oxygen cleans our blood.
- F 9. There is a positive (+) correlation between the mass and maximum age of animals.
- T 10. An animal breathes more when he runs because he burns oxygen for energy.

II. Fill in the blank.

When an animal runs faster he needs more oxygen so he breathes faster to get the oxygen he needs to burn the food. His Heart then speeds up to move the blood through the body so it can carry the Energy to all parts of the body.

III. True or False - Note instructions with each problem.

- F 1. Boys run faster than girls. (Prove by average)

Speed for 50 yards

Bob	7.2		Jill	7.0
Jim	6.8	$\frac{7.0}{5.35}$	Mary	7.3
Tom	7.0	$\leftarrow 7.0 \rightarrow$	Lynn	6.7
John	6.6		June	6.9
Bill	7.4		Patty	7.1
	<u>35.0</u>			<u>35.0</u>

12. Heavy people have higher heart rates. (Prove by ordered list)

Name	Weight	Pulse	
Tom	175\	73	220 — 81
Dick	155\	71	205 — 80
Jim	205\	80	195 — 75
Ralph	195\	75	180 — 76
Joe	220\	81	175 — 73
Bob	140\	68	155 — 71
Ed	180\	76	140 — 68

T 3. Tall people weigh more. (Choose own proof)

Height	Weight	
64"	140	72" — 210
70"	200	70" — 200
67"	160	69" — 180
66"	150	68" — 170
69"	180	67" — 160
72"	210	66" — 150
68"	170	64" — 140

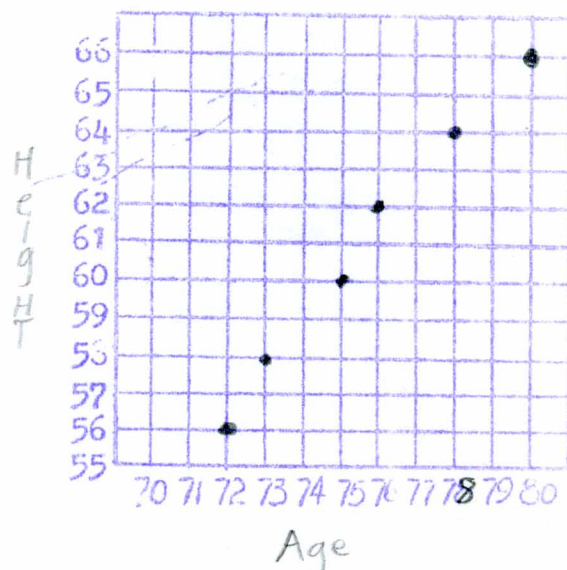
F 4. Small animals live longer. (Prove by ordered list)

Whale	80 years	3yr — Mouse
Mouse	3 years	12 — Rabbit
Rabbit	12 years	20 — Dog
Man	70 years	50 — Horse
Dog	20 years	70 — Man
Horse	50 years	80 — Whale

T 5. Tall people live longer. (Prove by graph)

Height — Age at death

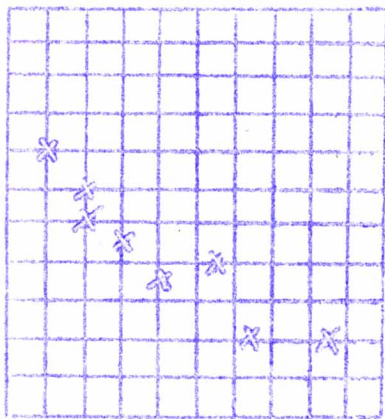
56"	72 yrs.
60"	75 yrs.
62"	76 yrs.
58"	73 yrs.
66"	80 yrs.
64"	78 yrs.



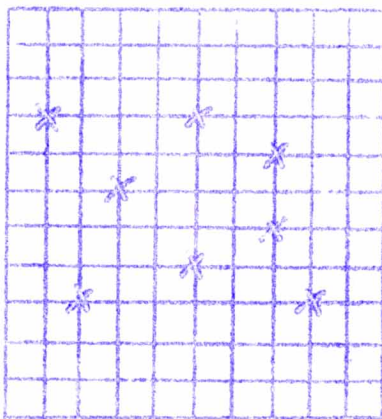
name

Dan

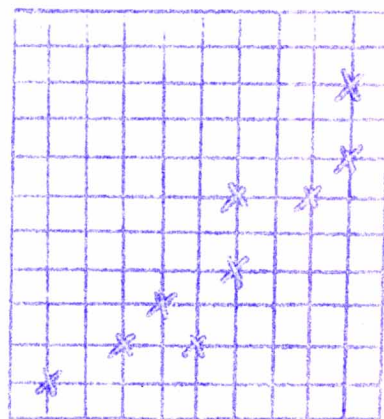
IV. Are the following positive (+), negative (-), or no correlation.



Negative



No Correlation



Positive