Number and write your hypothesis here.

	Trial 1	Trial 2	Trial 3	Average

	Trial 1	Trial 2	Trial 3	Average

	Trial 1	Trial 2	Trial 3	Average

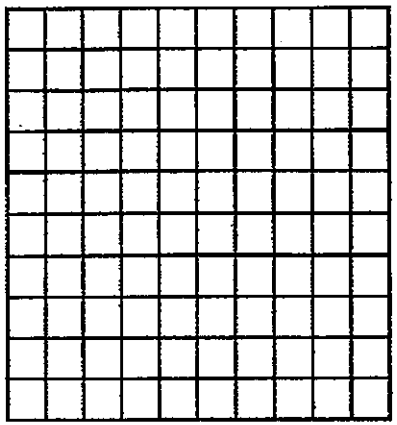
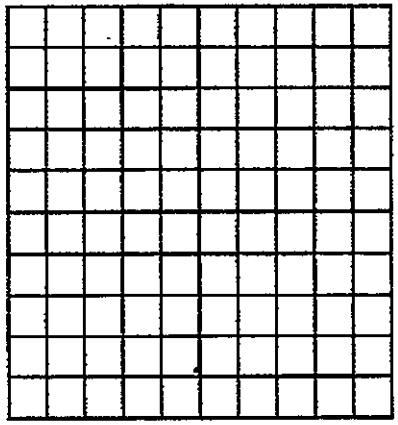
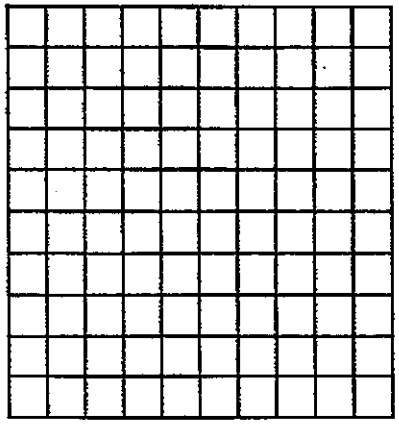
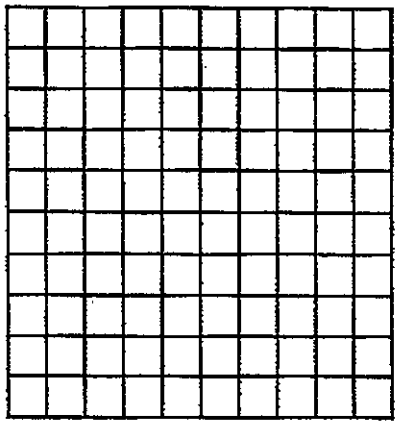
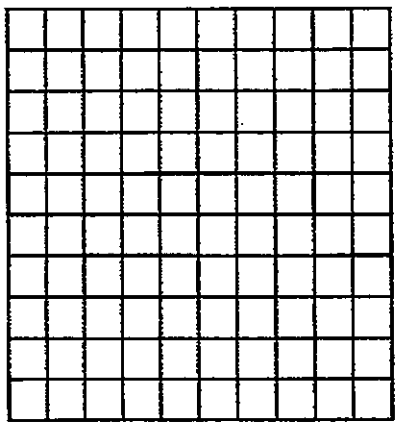
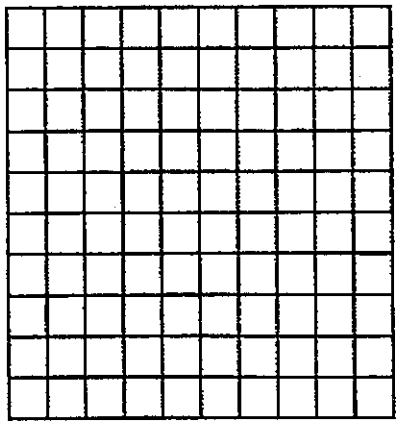
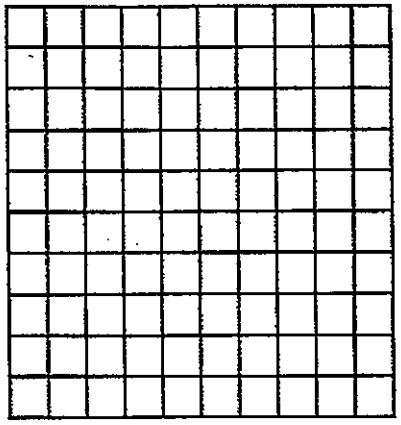
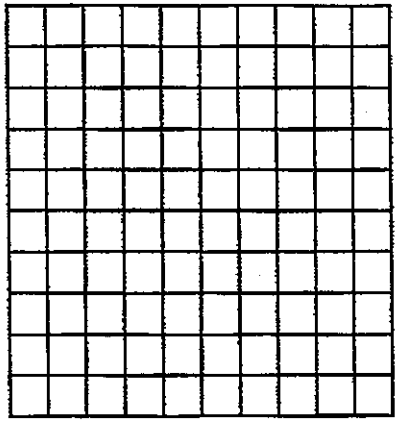
	Trial 1	Trial 2	Trial 3	Average

	Trial 1	Trial 2	Trial 3	Average

	Trial 1	Trial 2	Trial 3	Average

	Trial 1	Trial 2	Trial 3	Average

	Trial 1	Trial 2	Trial 3	Average

Name _____
Date _____

Science Warm-up

Independent variable: Temperature

Dependent variable: Strength of magnet

Using the two variables, fill in the rest of the flag chart.

Frozen	*20*	*25*	*28*	*24.3*
Room Temperature	*12*	*15*	*18*	*15*
Boiling	*7*	*6*	*10*	*7.7*

The hypothesis for this experiment was: If a magnet is frozen, then it will hold more clips than a magnet at room temperature.

Using the hypothesis and the data from the flag chart, what conclusions could you have?

Name _____
Date _____

Science Warm-up

Independent variable: Type of container

Dependent variable: Plant growth

Using the two variables, fill in the rest of the flag chart.

Plastic	*2 cm*	*1 cm*	*3 cm*	*2 cm*
Clay	*1 cm*	*1 cm*	*1 cm*	*1 cm*
Metal	*.5 cm*	*.3 cm*	*.2 cm*	*.3 cm*

The hypothesis for this experiment was: If a plant is placed in a clay pot, then it will grow more than a plant in a plastic pot.

Using the hypothesis and the data from the flag chart, what conclusions could you have?

Name _____
Date _____

Science Warm-up

Independent variable: Brands of batteries

Dependent variable: Time (how long the batteries work)

Using the two variables, fill in the rest of the flag chart.

Duracell	*3 hours*	*5 hours*	*6 hours*	
Energizer	*8 hours*	*9 hours*	*12 hours*	
Maxell	*3 hours*	*4 hours*	*3.5 hours*	

The hypothesis for this experiment was: If different brands of batteries are tested in a flashlight, then the battery that will last the longest is Duracell.

Using the hypothesis and the data from the flag chart, what conclusions could you have?

Name _____
Date _____

Science Warm-up

Independent variable: Color of light

Dependent variable: Plant growth

Using the two variables, fill in the rest of the flag chart.

Red	*8 mm*	*10 mm*	*9 mm*	*9*
White	*6 mm*	*7 mm*	*6 mm*	*6.3*
Yellow	*12 mm*	*5 mm*	*3 mm*	*6.7*

The hypothesis for this experiment was: If plants are exposed to different colors of light, then plants will grow faster in red light than white light.

Using the hypothesis and the data from the flag chart, what conclusions could you have?

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Name _____
Date _____

Science Warm-up

Independent variable: Boat design

Dependent variable: Number of pennies held

Using the two variables, fill in the rest of the flag chart.

Flat - no sides	15	25	22	20.7
Flat - sides	45	32	26	34.3
Very high sides	22	19	31	24

The hypothesis for this experiment was: If the design of a boat is changed, then the number of pennies it holds will also change.

Using the hypothesis and the data from the flag chart, what conclusions could you have?

Name _____
Date _____

Science Warm-up

Independent variable: Brand of dish soap

Dependent variable: Size of bubble

Using the two variables, fill in the rest of the flag chart.

Dawn	*7 cm*	*4 cm*	*8 cm*	*6.3*
Joy	*10 cm*	*9 cm*	*12 cm*	*10.3*
Palmolive	*9 cm*	*8 cm*	*17 cm*	*11.3*

The hypothesis for this experiment was: If Dawn, Joy and Palmolive are used to make bubbles, then Joy will make the biggest bubbles.

Using the hypothesis and the data from the flag chart, what conclusions could you have?

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Name _____
Date _____

Science Warm-up

Independent variable: Amount of water

Dependent variable: Shade of food color

Using the two variables, fill in the rest of the flag chart.

100 mL	*dark*	*dark*	*dark*	*dark*
200 mL	*medium*	*medium*	*medium*	*medium*
300 mL	*light*	*light*	*light*	*light*

The hypothesis for this experiment was: If 10 mL of red food coloring is put into different amounts of water (100 mL, 200 mL, and 300 mL), then the food coloring will be darkest in 100 mL beaker.

Using the hypothesis and the data from the flag chart, what conclusions could you have?

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Name _____
Date _____

Science Warm-up

Independent variable: Type of ball

Dependent variable: Bounce Height

Using the two variables, fill in the rest of the flag chart.

Tennis Ball	*15*	*25*	*12*	*17.3*
Golf Ball	*20*	*25*	*16*	*20.3*
Pingpong Ball	*7*	*6*	*10*	*7.7*

The hypothesis for this experiment was: If different types of balls are dropped from 50 cm (tennis ball, golf ball, pingpong ball) to see how high each bounces, then the golf ball will bounce the highest.

Using the hypothesis and the data from the flag chart, what conclusions could you have?

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Name _____
Date _____

Science Warm-up

Independent variable: Different types of liquids

Dependent variable: Evaporation time

Using the two variables, fill in the rest of the flag chart.

Water	*4 days*	*3 days*	*4 days*	*3.7 days*
Vinegar	*5 days*	*5 days*	*5 days*	*5 days*
Rubbing Alcohol	*3 days*	*3 days*	*3 days*	*3 days*

The hypothesis for this experiment was: If 10 mL of different types of liquids (water, vinegar, and rubbing alcohol) are left to see how long it takes each to evaporate, then the rubbing alcohol will evaporate the quickest.

Using the hypothesis and the data from the flag chart, what conclusions could you have?