## SCATTER PLOTS

A <u>scatter plot</u> is a graph with points plotted to show a possible relationship between two sets of data. You can use scatter plots to find trends in data. There are three types of relationships two sets of data may have:



When the data has a positive or negative correlation, you can use a <u>trend line</u> to predict or estimate data that is unavailable.



		Age (months)	1	2	3	4	6	8	10				
		Weight (lb)	2.5	7.6	12.5	17.1	24.3	37.9	49.2	2			
								Weid	aht of	a Par	nda		
a)	Make	e a scatter plot of the	ne data	in the t	able.	40	1.1		jin oi	u i ui	laa	1	1
b)	Draw	a trend line.				40				_		_	-
c)	What type of relationship does the												
	scatt	er plot show?				24 24							
d)	As th	e age of the panda	a increa	ses,		<b>X</b> 12						-	-
													10
e)	Wha	t is the approximat	e weiah	t of a			2	4 ۵	no (m	6 onth	ہ د)		10
,	7-mc	onth-old panda?				JO (	Unit	•,					
imp ine a)	ple 3: ed. How	The graph below	<b>shows</b> ater rem	<b>the ar</b> nain in t	<b>nount</b> (	of wate	er rema	aining	in a p	ool t	hat i	s be	ing
ine a)	ple 3: ed. How after	<b>The graph below</b> many gallons of w 10 hours?	r <b>shows</b> ater rem	<b>the ar</b> nain in t	mount of the poo	of wate	er rema	aining	in a p	bool t	hat i	s be	ing
amp ine a) b)	ple 3: ed. How after After	The graph below many gallons of w 10 hours? how many hours a	ater rem	a <b>the ar</b> main in t	nount of the poo	of wate	er rema	aining	in a p	bool t	hat i	s be	ing
amı ine a) b)	ple 3: ed. How after After in the	The graph below many gallons of w 10 hours? how many hours a pool?	ater rem	a <b>the ar</b> nain in t e 150 g	nount of the poo	of wate	r in Pool (gallons)	aining	in a p	oool t	hat i	s be	ing
imp ine a) b) c)	ple 3: ed. How after After in the	The graph below many gallons of w 10 hours? how many hours a pool? me increases,	shows	e <b>the ar</b> nain in t e 150 g	nount of the poo	of wate	f Water in Pool (gallons)	aining 500 450 450 350 350 250 200 150	in a p	•	hat i	s be	ing
imp ine a) b) c)	ple 3: ed. How after After in the As tin	The graph below many gallons of w 10 hours? how many hours a pool? me increases,	ater rem	a <b>the ar</b> nain in t	nount of the poo	of wate	unt of Water in Pool (gallons)	aining 500 450 450 350 350 250 250 200 150	in a p	•	hat i	s be	ing
a) b) c) d)	ple 3: ed. How after After in the As tin Draw	The graph below many gallons of w 10 hours? how many hours a pool? me increases,	ater rem	a <b>the ar</b> nain in t	nount of the poo	of wate	Amount of Water in Pool (gallons)	aining 500 450 400 350 300 250 200 150 100 50		•	hat i	s be	ing
a) b) c) d)	ple 3: ed. How after After in the As tin Draw Wha	The graph below many gallons of w 10 hours? how many hours a pool? me increases, v a trend line. t type of correlation	ater rem are there	e 150 g	nount of the poo	of wate	Amount of Water in Pool (gallons)	aining 500 450 450 450 350 350 250 200 150 50 200 200 200 150 200 200 200 200 200 200 200 2		• • • • • • • •	hat i	s be	ing
amp ine a) b) c) d) e) f)	ple 3: ed. How after After in the As tin Draw Wha Pred com	The graph below many gallons of w 10 hours? how many hours a pool? me increases, a trend line. t type of correlation ict the number of h pletely drain the po	ater rem are there n does th ours ne ol.	e <b>the ar</b> nain in t e 150 g ne data eded to	nount of the pool	of wate	Amount of Water in Pool (gallons)	aining 500 450 400 350 250 200 150 50 200 250 200 250 200 250 200 20		bool t	hat i	s be	ing