

Name _____

Date _____

Scatter Plots for Bivariate Data - Independent Practice Worksheet

Complete all the problems.

1. Following is 10 days of data which shows the sale of apples and mangoes. Describe the association between the apple and mango sales.

Days	1	2	3	4	5	6	7	8	9	10
Apple	62	49	81	26	45	55	16	74	97	34
Mango	36	44	49	37	26	11	76	83	64	81

2. The chart shows the number of books and pens purchased for 10 students. Describe the association between the purchase of books and pens.

Student	1	2	3	4	5	6	7	8	9	10
Books	35	55	70	80	69	48	69	78	49	90
Pens	47	71	55	63	12	87	74	98	40	96

3. The chart shows the number of men and women to attend a college class over 10 years. Describe the association between the number of men and women.

Year	1	2	3	4	5	6	7	8	9	10
Men	22	47	84	12	26	33	44	54	71	68
Women	22	58	61	53	43	81	86	94	50	94

4. The food committee followed the lunch habits of 10 students. The chart displays the number of times they had pizza and burgers for lunch. Describe the association between the students eating pizza and eating burgers.

Student	1	2	3	4	5	6	7	8	9	10
Pizza	34	69	42	12	22	54	66	29	54	37
Burger	40	26	37	85	78	34	98	47	76	50



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5. The trainer keeps records for 10 years. She tracked Julia's and Lila's weight in kg. Describe the association between the weight of Julia and Lila.

Year	1	2	3	4	5	6	7	8	9	10
Julia	13	18	14	24	20	30	35	19	23	27
Lila	14	17	20	29	31	48	34	25	26	19

6. The table below shows 10 years of data on the sales of discount jeans and shirts at Able Fashions. Describe the association between the number of sales of jeans and shirts.

Year	1	2	3	4	5	6	7	8	9	10
Jeans	46	50	42	55	35	39	46	47	50	62
Shirt	32	47	63	52	41	43	39	47	39	56

7. For one year, we track the number of times a child had ice cream or chocolate. Describe the association between the consumption of ice cream and chocolate by kids.

Children	1	2	3	4	5	6	7	8	9	10
Ice cream	56	72	88	42	66	71	70	81	85	90
Chocolate	64	45	55	58	49	87	47	89	60	86

8. Mr. Mike runs the air conditioning and fan throughout the day to stay cool. He charts the monthly electric bill caused by the fan and A.C. Describe the association between the cost of electric for the fan and A.C.

Year	1	2	3	4	5	6	7	8	9	10
Fan	15	20	25	30	24	28	45	50	40	55
A.C	20	24	29	34	32	40	39	45	50	51



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9. The circus performs 10 times. Each time they keep data on the number of water bottles and lunch boxes sold. Describe the association between the sale of water bottles and lunch boxes.

Days	1	2	3	4	5	6	7	8	9	10
Water bottle	20	31	34	39	27	45	58	29	14	64
Lunch box	67	62	57	52	27	49	44	25	20	19

10. Galileo and Bhatt tracked the number of times they could jump rope without stopping on the first of every year. Describe the association between number of times they could jump rope.

Year	1	2	3	4	5	6	7	8	9	10
Galileo	40	55	69	36	69	78	69	89	49	83
Bhatt	47	48	55	63	96	87	96	98	94	38

