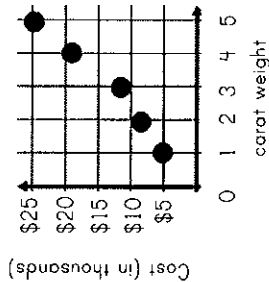


Days 1 & 2

1. Describe the type of association between the two variables in the table.



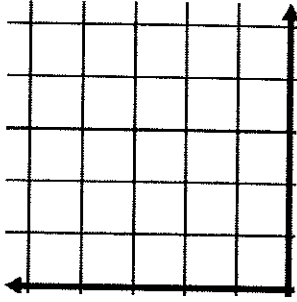
3. Explain how to determine placement for a line of best fit.

2. Explain what the association means in the context of the problem.

4. How do you determine the equation for a line of best fit?

1. Construct a scatter plot using the data in the table. Draw a line of best fit. Height v. Weight (2 points)

| Height (in) | Weight (lbs) |
|-------------|--------------|
| 60 | 120 |
| 68 | 145 |
| 68 | 170 |
| 63 | 125 |
| 62 | 120 |
| 64 | 135 |



2. Does there appear to be an outlier? Explain.

3. Describe the type of association as it relates to the data.

_____ Dates _____

My score:

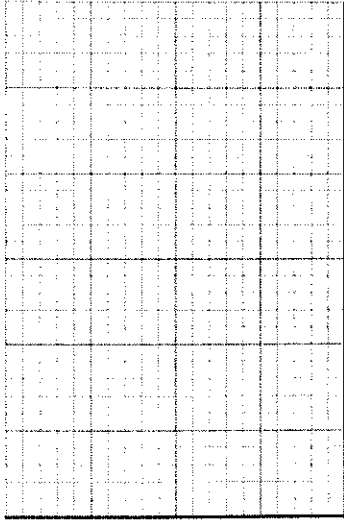
1 2 3 4

My score:

1 2 3 4

| Year | Cost |
|------|--------|
| 2011 | \$7.93 |
| 2010 | 7.89 |
| 2009 | 7.50 |
| 2008 | 7.18 |
| 2007 | 6.88 |
| 2006 | 6.55 |
| 2005 | 6.41 |
| 2004 | 6.21 |
| 2003 | 6.03 |
| 2002 | 5.80 |
| 2001 | 5.65 |
| 2000 | 5.39 |
| 1999 | 5.06 |
| 1998 | 4.69 |
| 1997 | 4.59 |
| 1996 | 4.42 |
| 1995 | 4.35 |
| 1994 | 4.08 |
| 1993 | 4.14 |
| 1992 | 4.15 |
| 1991 | 4.21 |
| 1990 | 4.22 |
| 1989 | 3.99 |
| 1988 | 4.11 |
| 1987 | 3.91 |
| 1986 | 3.71 |
| 1985 | 3.55 |
| 1984 | 3.36 |
| 1983 | 3.15 |
| 1982 | 2.94 |

1. Use the table of movie ticket prices on the left to create a scatter plot below.



2. Draw a line of best fit.

3. Describe the type of association as it relates to the data.

4. Identify any years in which the price change did not follow the trend.

My score: 1 2 3 4

Days
3 & 4

Use the scatter plot and information from Day 3 to answer the questions below.

1. Write an equation for the line of best fit.

2. Explain what the slope of your line means in the context of the problem.

3. Use your equation to predict the cost of a ticket in the year 2020. Is your answer reasonable? Explain.

4. Use your equation to predict the cost of a ticket in the year 1960. Is your answer reasonable? Explain.

My score: 1 2 3 4

Dates