

Worksheet

Stem and Leaf diagrams

1. A group of 20 people were asked to rate out of 99 a movie with a sad ending compared to a movie with a happy ending, the following lists the results in the order of receiving them. Place them into a Stem & Leaf diagram for easier and quicker viewing.

Sad Ending

55, 89, 81, 74, 58
67, 72, 74, 58, 91
85, 74, 59, 62, 52
59, 51, 62, 53, 68

Happy Ending

72, 77, 59, 61, 83
92, 88, 74, 58, 94
68, 72, 84, 88, 95
84, 82, 77, 91, 82

ANSWER:

continued on next page ...

Worksheet

2. A survey took place at a transport museum, asking people if they preferred the historic bus or train on show over a period of 30 days. See the results below and answer the following questions based upon the results shown:

Bus															Train														
5	5	5	5	5	5	5	5	4	4	4	3	3	2	5	7	8	9												
				6	5	5	4	3	3	3	3	1	6	2	3	5	8												
							7	6	5	5	5	2	7	1	3	3	4	5	5										
													1	8	2	2	2	2	3	3	3	3	4	7	9				
													1	9	3	4	4	5	5	8									
n=30															n=30														
Key: 8 4 = 84%																													

(a) What is the highest percentage of people that preferred the Bus?

ANSWER:

(b) How many times was the result of 73% returned for Train?

ANSWER:

(c) How many times was the result of 63% returned for Bus?

ANSWER:

(d) What was the lowest percentage of people that preferred the Train?

ANSWER: