

## Exercise 6e

### Problem Cause Investigation – Paired Comparisons

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Instructions:**

1. Use the ideas generated from either Exercise 6a Brainstorming or 6b Brain-writing.
2. Apply the Paired Comparisons method to rank the ideas and select the most important ones.

#### Steps

1. Identify the problem being evaluated from either Exercise 6a Brainstorming or 6b Brain-writing.
2. To simplify this exercise randomly select five ideas generated from Exercise 6a Brainstorming or 6b Brain-writing and assign each idea a letter code (beginning with A onward) and record on Idea List Table or on the whiteboard.
3. Each member of the group votes for one of the alternatives from the denoted pair and records their votes in the Paired Comparisons Table.
4. Collect the voting results and total the number of votes in the Results section of the Paired Comparisons Table or whiteboard.
5. The idea(s) achieving the highest score(s) is the group's prioritized idea(s), and this will be the logical starting point for pursuing activities in the root cause analysis.

***Idea List (Add rows as needed)***

<b>Problem:</b>	
<b>Letter</b>	<b>Idea</b>

**Exercise 6e****Problem Cause Investigation – Paired Comparisons***Paired Comparisons Table*

Idea	Paired Comparison										Total
	A/B	A/C	A/D	A/E	B/C	B/D	B/E	C/D	C/E	D/E	
A	2		3								5
B	2				1	4					7
C		4			3			4			11
D			1								1
E											
Number of votes	3	3	3		3	3		3			