Appendix A

*Experiment 1: Means (*M*) and Standard Deviations (*SD*) for Each Kind of Task for All Conditions.*

Condition	Task	Context scenario			
		People in a mall		Water in a bathtub	
		M	*SD*	*M*	*SD*
Text only	W	17.71	25.26	51.04	46.61
	S	65.63	41.67	78.13	37.74
	D	70.83	29.36	62.50	28.70
Text and flow chart	W	36.46	45.99	23.96	37.10
	S	77.08	38.00	57.29	46.30
	D	79.17	15.39	54.17	43.08
Text, flow chart, and net-flow chart	W	16.67	34.27	43.75	44.11
	S	56.25	50.14	70.83	43.74
	D	66.67	33.00	78.13	25.63
Text, flow chart, and net-flow development	W	38.54	48.11	15.63	36.59
	S	37.50	47.07	44.79	44.42
	D	28.13	40.29	52.08	38.74

Appendix B

The eight questions, indicating the simple stepwise solution, participants had to answer in the informative instruction condition of Experiment 2.

1. When are the most people entering the cafeteria?
O in (the) minute(s) ……
O from minute…... to minute……
O cannot be exactly determined, because ……

2. When are the fewest people entering the cafeteria?
O in (the) minute(s) ……
O from minute…... to minute……
O cannot be exactly determined, because ……

3. Are consistently more people entering than leaving the cafeteria?
O yes O no O do not know

4. Are consistently more people leaving than entering the cafeteria?
O yes O no O do not know

5. Is there a moment at which the numbers of entering and leaving people are identical?
O yes O no O do not know

6. Which total number of people is taller, those entering over all times or those leaving the cafeteria?
O the number of people entering
O the number of people leaving
O the two numbers are equal
O do not know

7. When are the most people in the cafeteria?
O in (the) minute(s) ……
O from minute…... to minute……
O cannot be exactly determined, because ……

8. When are the fewest people in the cafeteria?
O in (the) minute(s) ……
O from minute…... to minute……
O cannot be exactly determined, because ……