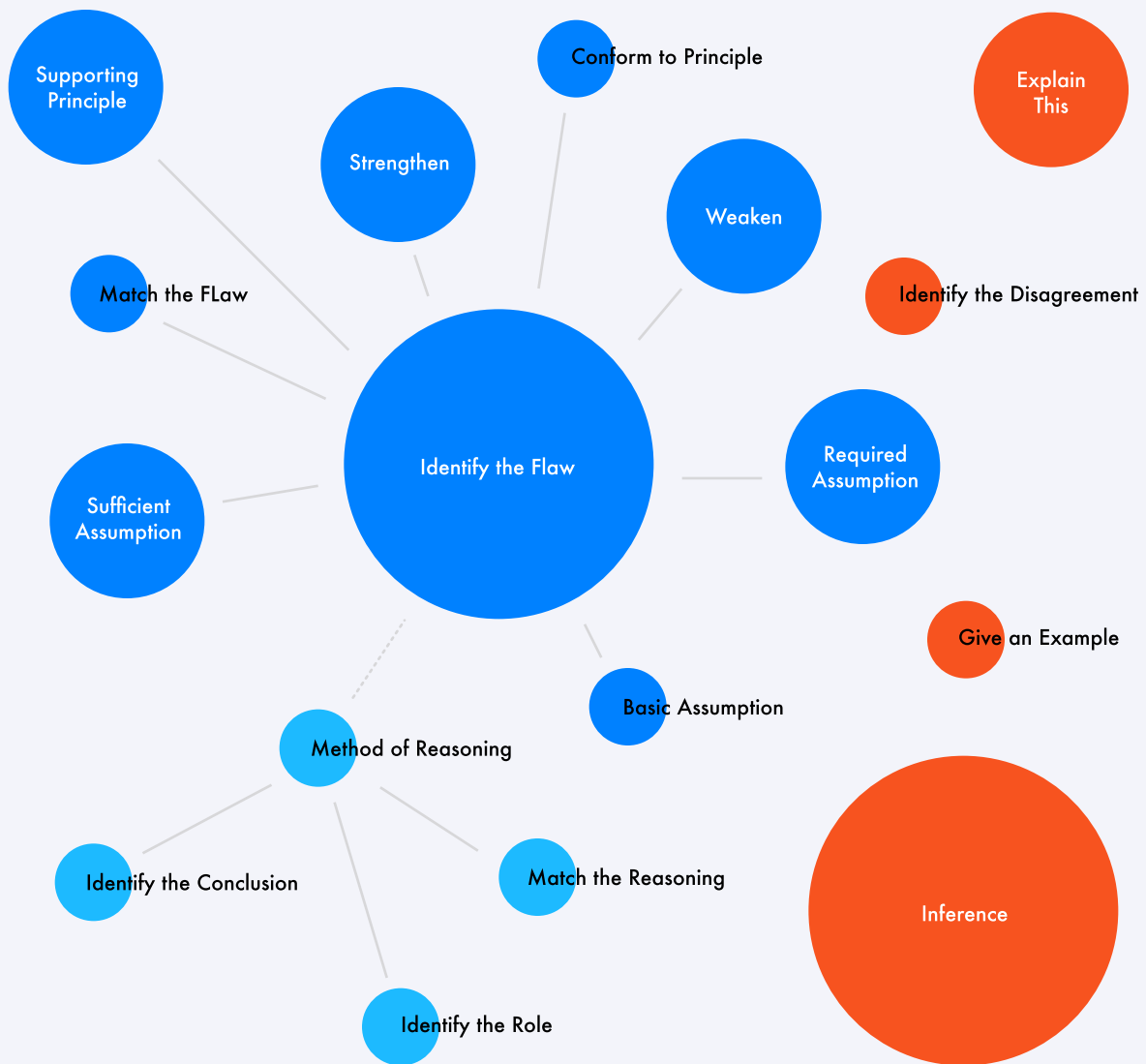


LSAT QUESTIONS BY TYPE



THE CONSTELLATION OF LOGICAL REASONING QUESTION TYPES

About

On the following pages you will find Logical Reasoning problems and Logic Games from Practice Exams 29 - 81, broken down by category.

The Logical Reasoning problems are either listed in tables or individually. In either case, they are represented by their exam, then their section number, then their question number. Thus, a notation such as 53.2.21 means Practice Exam 53, Section 2, Question 21.

Please feel free to use the following pages to find or note the problems that you plan to use for drilling, or to mark problems that you found difficult and want to review again.

LOGICAL REASONING QUESTIONS BY TYPE

flaw

PT	S	#	S	#
29	1	7, 14, 17	4	14, 18, 25
30	2	2, 13, 17, 25, 26	4	6, 8, 14
31	2	9, 18	3	1, 5, 8, 25
32	1	4*, 6, 10, 14, 19	4	6, 13, 15^
33	1	12, 22^, 24	3	5, 15, 17
34	2	1, 3, 9, 11	3	4, 10
35	1	6*, 17, 23	4	7, 8, 13, 18, 24
36	1	10, 12, 19	3	13, 21*, 25
37	2	3, 16, 25	4	12, 16, 17, 22
38	1	6, 8, 11, 23	4	2, 8, 14, 21
39	2	2, 14, 20	4	11, 15*, 20, 21, 23
40	1	12, 14	3	10, 12, 14, 19^, 21, 23
41	1	1, 18, 20, 22, 25	3	4, 11, 13, 20, 23
42	2	3, 12, 15, 17, 26	4	4, 12, 14, 20
43	2	9, 12, 20	3	4*, 18, 20*
44	2	1, 21, 25	4	9, 11, 20, 22
45	1	13, 15, 20, 24	4	10, 14, 17, 19, 24
46	2	11, 14, 24	3	2, 4, 7, 13, 23
47	1	1, 8, 23	3	8, 16, 19, 23
48	1	2, 13*, 17, 21, 24	4	11, 13, 15, 17, 25
49	2	5, 13, 18, 23	4	1, 6, 12, 23
50	2	3, 6, 10	4	2, 4, 7, 17, 19, 22
51	1	4, 6, 10, 12, 15, 18	3	4, 6, 9, 17
52	1	2, 6, 23	3	4, 8, 12, 16, 21
53	1	18, 22, 25	3	2, 6, 17
54	2	1, 5, 15, 19, 22	4	4, 14, 16, 19
55	1	14, 20, 24	3	2, 11, 18, 25

PT	S	#	S	#
56	2	1, 12, 15	3	1*, 4, 10, 17, 21*
57	2	4, 6, 15*, 26	3	2, 8, 10, 18, 22
58	1	9, 11, 18	4	5, 8, 14, 18
59	2	4, 6, 8, 15, 20	3	5*, 8, 20, 22, 24
60	1	1, 10, 12, 15*	3	8, 16, 19
61	2	1, 8*, 18	4	11, 15, 24
62	2	5, 8, 11*	4	10, 13, 19
63	1	3, 23, 25	3	2, 14, 18
64	1	5, 7, 16, 19, 24	3	2, 4, 6, 11, 14
65	1	8, 15, 17, 20	4	8, 11*, 26
66	2	1, 8, 11, 13*, 15, 21	4	1, 22, 25
67	2	9, 13, 21	4	9, 14, 21
68	2	7, 12, 20, 24	3	3, 5, 16, 21
69	1	3, 20, 24	4	3, 11, 16, 18, 22
70	1	2, 9, 15, 20	4	3, 9, 11
71	1	3, 18, 21, 24	3	1, 7, 18, 20
72	2	5, 14, 16, 18, 20	3	7, 11, 14, 22
73	2	3, 5, 13, 15, 18	4	3, 10, 25
74	1	5, 16, 18	4	8, 15, 18, 20, 22
75	1	7, 12, 18, 24	3	7, 10, 16, 18
76	2	1, 4, 16, 19	4	5, 13, 15
77	2	14, 18, 22	4	6, 9, 12
78	1	7, 9, 22	3	1, 5, 15
79	1	2, 6, 13, 15	4	9, 18
80	1	2, 13, 16	4	1, 11, 16, 26
81	2	8, 20, 25	3	7, 9, 13, 15, 23

* = response; ^ = except

basic assumption

useful to know

29.4.4	31.3.17	54.2.2
29.4.5	34.3.11	56.2.4
30.2.15	46.3.26	

36.1.24	51.1.2	68.2.14	74.1.21	78.3.23
38.4.19	61.4.2	69.1.5	74.4.10	79.1.17
45.4.11*	65.1.3^	70.1.11^	77.2.10	80.4.22
46.3.3	65.4.7	73.4.6	78.3.8	81.2.16
49.4.2	* = except, ^ = least useful			

Subcategories are mentioned in italics; for example, “useful to know” is a subcategory of basic assumption questions.

match the flaw

PT	S	#	S	#
29	1	23	4	21
30	2	6	4	25
31	2	21	3	23
32	1	22	4	21
33	1	15	3	18
34	2	24	3	23
35	1	24	4	6
36	1	21	3	19
37	2	21	4	4
38	1	16	4	17
39	2	18	4	26
40	1	20	3	17
41	1	23	3	8
42	2	24	4	22
43	2	24	3	22
44	2	22	4	19
45	1	11	4	20
46	2	20	3	19

PT	S	#	S	#
47	1	21	3	25
48	1	23	4	4
49	2	26	4	24
50	2	17	4	24
51	1	20	3	22
52	1	16	3	24
53	1	21	3	13*
54	2	21	4	8
55	1	1	3	23
56	2	7	3	14
57	2	8	3	15
58	1	7	4	22
59	2	9	3	15
60	1	21	3	23
61	2	(/)	4	26
62	2	7	4	9
63	1	24	3	25
64	1	9	3	23

PT	S	#	S	#
65	1	11	4	23
66	2	24	4	24
67	2	23	4	25
68	2	25	3	24
69	1	14	4	14
70	1	10	4	23
71	1	23	3	15
72	2	22	3	25
73	2	7	4	18
74	1	25	4	25
75	1	22	3	14
76	2	21	4	6
77	2	5	4	25
78	1	21	3	25
79	1	26	4	(/)
80	1	24	4	23
81	2	24	3	11

* = except

sufficient assumption

PT	S	#	S	#
29	1	20	4	(/)
30	2	(/)	4	1
31	2	10	3	(/)
32	1	5	4	4
33	1	(/)	3	21, 23
34	2	2, 10	3	(/)
35	1	20, 22	4	14, 19
36	1	18, 22, 26	3	12
37	2	5	4	9, 20
38	1	1	4	16
39	2	21	4	17
40	1	8, 19, 21	3	15
41	1	(/)	3	22
42	2	19, 23	4	(/)
43	2	18	3	16
44	2	13	4	26
45	1	21, 23	4	22
46	2	4, 23	3,	24

PT	S	#	S	#
47	1	9, 12	3	21
48	1	25	4	8, 21
49	2	7, 19, 25	4	18, 22
50	2	7, 22	4	13
51	1	16, 19	3	20
52	1	17, 20	3	15
53	1	20	3	(/)
54	2	13, 26	4	22
55	1	4	3	10, 21
56	2	10	3	16
57	2	7, 12	3	24
58	1	12, 25	4	19, 24
59	2	17, 26	3	10
60	1	22	3	3
61	2	13, 24	4	13, 25
62	2	9, 15, 17	4	16, 18
63	1	10	3	17, 22, 24
64	1	11, 23	3	21, 26

PT	S	#	S	#
65	1	16	4	(/)
66	2	6, 19	4	17, 20
67	2	(/)	4	13
68	2	23	3	15
69	1	25	4	13, 21
70	1	7	4	22
71	1	(/)	3	11, 14
72	2	8	3	(/)
73	2	10, 12	4	24
74	1	12, 20	4	16
75	1	23	3	15
76	2	10, 22	4	1, 14
77	2	9, 15	4	20, 24
78	1	(/)	3	10, 20
79	1	(/)	4	4, 10
80	1	9	4	5, 14
81	2	3, 9	3	20

supporting principle

PT	S	#	S	#
29	1	19, 22	4	7, 17
30	2	(/)	4	23
31	2	22, 24	3	4, 26
32	1	(/)	4	8
33	1	21	3	6
34	2	20	3	16
35	1	2	4	11
36	1	15	3	20
37	2	22, 24	4	21
38	1	3	4	4
39	2	19	4	14
40	1	18	3	9
41	1	17	3	14
42	2	(/)	4	15
43	2	21	3	7, 11
44	2	(/)	4	2
45	1	(/)	4	3, 25
46	2	5	3	14

PT	S	#	S	#
47	1	3	3	26
48	1	9, 18	4	(/)
49	2	15	4	21
50	2	12	4	18
51	1	(/)	3	13
52	1	8, 19	3	
53	1	(/)	3	12
54	2	(/)	4	9
55	1	6	3	17
56	2	16	3	3, 12
57	2	(/)	3	19
58	1	(/)	4	(/)
59	2	13	3	(/)
60	1	18, 23	3	9, 24
61	2	5, 21	4	23
62	2	26	4	15, 20
63	1	15, 22	3	23
64	1	12	3	(/)

PT	S	#	S	#
65	1	24	4	5
66	2	7, 12	4	2, 11
67	2	8, 15, 18	4	7, 8
68	2	16	3	1, 12
69	1	6	4	17
70	1	23	4	1, 15
71	1	(/)	3	6, 9
72	2	1, 6	3	13, 17, 21
73	2	6	4	2
74	1	(/)	4	5, 21
75	1	2, 10	3	3
76	2	6, 23	4	(/)
77	2	8, 16	4	1
78	1	1, 18	3	6
79	1	14, 19	4	7, 15
80	1	4	4	8
81	2	6	3	(/)

conform to principle

30.2.5	43.3.3	49.4.9	55.1.21	59.3.18	72.3.19	76.4.2
32.1.3	43.3.26	52.3.1	57.2.1	61.4.1	73.2.4	78.1.15
33.1.18	44.4.4	52.3.11	57.3.16	62.4.2	73.4.7	78.3.11*
37.2.18	44.4.13	53.3.18	58.1.23	66.2.9	74.1.3	80.4.6
41.1.19	47.1.7*	54.2.18	59.2.23	70.1.14	74.1.7	
* = goes against principle						

illustrated principle

34.3.1	48.1.11	50.4.20	54.2.8	58.4.16	65.4.18
44.2.17	48.4.6	51.3.5	55.3.6*	58.4.25	65.4.23
46.2.3	50.2.25	51.3.7	57.2.10	62.2.1	71.3.13
46.3.8	50.4.3	53.1.5	58.1.4	63.3.3	76.4.9
* = except					

required assumption

PT	S	#	S	#
29	1	5, 15	4	8
30	2	11, 22	4	19
31	2	2, 14	3	11, 13, 21
32	1	1, 21, 23, 25	4	7, 16, 19
33	1	10, 13, 19	3	11, 16, 25
34	2	13, 16, 21	3	3, 5, 9, 17
35	1	14, 18	4	16
36	1	3, 20	3	14, 16, 18
37	2	15, 19	4	15, 19, 23
38	1	12, 14, 24	4	6, 20, 22
39	2	17	4	4, 19, 25
40	1	5, 16	3	20, 22
41	1	6, 10, 24	3	7, 17
42	2	14	4	2, 13, 19
43	2	10, 16	3	1, 12
44	2	5, 9, 18, 23	4	7, 16
45	1	3	4	6, 13
46	2	10, 13	3	15, 17, 20
47	1	14, 17, 20	3	13, 17
48	1	15, 20	4	10
49	2	22	4	13, 16, 20
50	2	14, 16	4	11, 21
51	1	7	3	2, 15, 18
52	1	10, 25	3	7, 9, 13
53	1	9, 13, 15, 23	3	8, 15, 20
54	2	6, 9	4	3, 7, 18, 24
55	1	2, 12, 17	3	8, 19, 24

PT	S	#	S	#
56	2	6, 20	3	9, 18, 25
57	2	24	3	12, 17
58	1	1, 14, 16, 19, 22	4	11, 17, 21
59	2	14	3	12, 16, 25
60	1	7, 14, 20	3	11, 22
61	2	16	4	20
62	2	12, 25	4	23
63	1	5, 19	3	6, 11, 15
64	1	15	3	12, 19
65	1	18, 21	4	2, 13, 20
66	2	2, 4, 10	4	3, 7
67	2	6, 14	4	2, 11, 16, 18
68	2	2*, 15	3	18, 23
69	1	4, 7, 19	4	8
70	1	13, 21	4	6, 10, 20, 25
71	1	16, 22	3	19
72	2	12, 15, 21	3	4, 18
73	2	1, 8, 20	4	13, 19, 26
74	1	8	4	4, 6
75	1	1, 3	3	2, 17, 19, 23, 25
76	2	5, 18, 24	4	12, 16, 18, 20, 24
77	2	3, 6, 24	4	26
78	1	2, 14, 19, 24	3	12
79	1	4, 7, 18, 24	4	2, 6, 8, 21
80	1	5, 17, 25	4	18
81	2	5, 11, 23	3	4, 18

* = useful to know

strengthen

PT	S	#	S	#
29	1	3*	4	1, 11, 20*
30	2	3, 4, 21	4	12, 15, 18, 20
31	2	5	3	7, 9
32	1	20*	4	9, 11
33	1	1, 6	3	4, 9, 20
34	2	14	3	21, 24
35	1	15*	4	10
36	1	(/)	3	7, 11, 26
37	2	1, 6, 20*	4	13*, 25
38	1	4	4	5*
39	2	10, 15	4	13*, 18
40	1	6, 11, 13	3	2*, 8, 24
41	1	12	3	15*, 19*
42	2	10, 18	4	1, 9^, 23
43	2	8*, 14	3	2*, 10
44	2	7, 15	4	14, 17*
45	1	14, 19, 26	4	7
46	2	16, 19	3	22

PT	S	#	S	#
47	1	11, 26	3	2
48	1	3, 7, 10, 16	4	2
49	2	4*, 11*	4	4*
50	2	13	4	9, 23
51	1	24	3	3, 25
52	1	4	3	3
53	1	1*, 6, 10	3	1, 11, 25
54	2	24	4	1, 20
55	1	23	3	3, 14
56	2	14, 24	3	8, 13
57	2	5, 22	3	9
58	1		4	23
59	2	1, 3, 5, 22	3	11
60	1	11	3	2, 20, 21
61	2	6, 22*	4	4, 19
62	2	2, 3, 4, 16	4	3, 22
63	1	16, 18	3	21
64	1	17, 22	3	9, 17, 24

PT	S	#	S	#
65	1	1, 13, 14, 19	4	22
66	2	3*, 17	4	12, 16
67	2	3, 25	4	4
68	2	5, 13	3	7, 17
69	1	13	4	23
70	1	3, 25	4	4
71	1	6, 12	3	4, 8, 16*, 22, 25
72	2	3, 7, 23, 25	3	6, 8, 12
73	2	22	4	20
74	1	2, 4, 10, 17	4	3, 26
75	1	9, 15, 21	3	6, 12, 21
76	2	14, 25	4	3, 8
77	2	1, 2, 7, 21	4	4, 5, 17
78	1	12, 16	3	2, 21
79	1	10, 12, 23	4	14, 22
80	1	11, 23	4	4, 7
81	2	13	3	12

* = except, ^ = least

weaken

PT	S	#	S	#
29	1	16, 24	4	9, 24
30	2	1, 8, 9, 24^	4	11, 17, 24
31	2	3, 6, 16, 19	3	12*, 24
32	1	12, 17*	4	2
33	1	4, 17, 20*, 25	3	7, 24
34	2	12, 17, 25	3	6, 18, 20
35	1	4^, 8, 13	4	5, 17*, 20
36	1	2, 8, 25	3	2, 5
37	2	4, 14	4	2, 11^, 18
38	1	10^, 17	4	13, 15
39	2	9^	4	1, 22*
40	1	17	3	5
41	1	13^, 16	3	16*, 26
42	2	1, 4, 6, 20, 25	4	6
43	2	6	3	8, 19
44	2	4, 8*, 20	4	1, 5
45	1	2, 12, 16, 18	4	4
46	2	8, 22, 25	3	6

PT	S	#	S	#
47	1	2, 19, 22, 24	3	4, 7^, 14, 24
48	1	1, 19	4	9, 20, 23*, 26
49	2	6, 8, 14	4	8
50	2	2^, 24*	4	5, 12
51	1	8, 25	3	1
52	1	9^, 12, 21	3	6, 19
53	1	3, 8	3	4, 9, 14, 16
54	2	3, 14	4	10^
55	1	7, 9, 22	3	4^, 9, 22
56	2	3, 8	3	20
57	2	9, 14, 17, 20	3	6, 11
58	1	5, 24	4	2, 10
59	2	21, 25	3	2, 13
60	1	6, 13, 16	3	4, 13
61	2	11, 14, 20, 23	4	8, 21
62	2	22	4	5, 14
63	1	2, 7*	3	9, 16
64	1	4, 8, 10, 13	3	15

PT	S	#	S	#
65	1	5	4	3, 19*
66	2	5	4	4, 6^, 8
67	2	1, 17	4	6, 10, 24
68	2	4	3	9
69	1	17, 22	4	7, 15^, 19
70	1	16	4	12, 19
71	1	13	3	21*
72	2	2, 10	3	2, 10
73	2	9, 19	4	1, 17
74	1	6, 23	4	24
75	1	5, 11	3	13, 22*
76	2	9, 12	4	21, 23
77	2	4	4	11, 19
78	1	10, 25	3	26
79	1	21	4	19
80	1	19	4	25
81	2	4, 22	3	16, 22

* = except, ^ = response

i.d. the conclusion

PT	S	#	S	#
29	1	11	4	6
30	2	(/)	4	2
31	2	4	3	14
32	1	13	4	12
33	1	5	3	(/)
34	2	15,18	3	(/)
35	1	3,16	4	9
36	1	6	3	3,9
37	2	(/)	4	(/)
38	1	2	4	3,11
39	2	1	4	(/)
40	1	9	3	4
41	1	5	3	18
42	2	(/)	4	10
43	2	(/)	3	14,23
44	2	16	4	
45	1	1,17	4	1,9
46	2	(/)	3	5,21

PT	S	#	S	#
47	1	(/)	3	6
48	1	5,8	4	1,12
49	2	(/)	4	7
50	2	4,20	4	25
51	1	1,13	3	16
52	1	1	3	2
53	1	4	3	3,5
54	2	11	4	11
55	1	18	3	13,20
56	2	(/)	3	5,19
57	2	(/)	3	3
58	1	13	4	3
59	2	10	3	9
60	1	8	3	15
61	2	9	4	6,16
62	2	10	4	1,12
63	1	8,13	3	10
64	1	1	3	

PT	S	#	S	#
65	1	2,9	4	14
66	2	18	4	5,9,26
67	2	(/)	4	1
68	2	17,19	3	8,11
69	1	9	4	1,24
70	1	18	4	16
71	1	5,7	3	12
72	2	4	3	3,9
73	2	11	4	5,11
74	1	13	4	2
75	1	8	3	8
76	2	(/)	4	(/)
77	2	11	4	8
78	1	(/)	3	18
79	1	9	4	11,17
80	1	3,6	4	9
81	2	14	3	8

i.d. the role

PT	S	#	S	#
29	1	(/)	4	2,15
30	2	(/)	4	3,13
31	2	12	3	16
32	1	15	4	23
33	1	(/)	3	14
34	2	22	3	14,26
35	1	1,9	4	2,15
36	1	(/)	3	6
37	2	(/)	4	(/)
38	1	18	4	18
39	2	16,22	4	(/)
40	1	25	3	6
41	1	(/)	3	(/)
42	2	2	4	3,16,18,21
43	2	2,23	3	
44	2	19,24	4	6,24
45	1	(/)	4	23
46	2	(/)	3	16,18

PT	S	#	S	#
47	1	(/)	3	(/)
48	1	(/)	4	5
49	2	12	4	(/)
50	2	15,19	4	6
51	1	14	3	11,23
52	1	(/)	3	17
53	1	11,14	3	10
54	2	17	4	15
55	1	19	3	7
56	2	9,25	3	(/)
57	2	13,16,21	3	21
58	1	(/)	4	(/)
59	2	7,18	3	
60	1	4	3	5,7
61	2	(/)	4	17,22
62	2	(/)	4	4
63	1	(/)	3	1
64	1	14,25	3	10,16

PT	S	#	S	#
65	1	10,22	4	12,21
66	2	(/)	4	(/)
67	2	12,20,22	4	22
68	2	11,22	3	(/)
69	1	11	4	12
70	1	17	4	24
71	1	11	3	(/)
72	2	13	3	15
73	2	(/)	4	9
74	1	14	4	(/)
75	1	14,16	3	20
76	2	(/)	4	7
77	2	(/)	4	7,14,16,22
78	1	(/)	3	4,14,17,19
79	1	22	4	24
80	1	(/)	4	(/)
81	2	18	3	17

reasoning structure

29.1.12	40.1.2	52.3.5	60.1.25	68.3.20	74.4.17
32.1.8	40.3.13	53.3.24	61.2.4	69.1.23	75.1.4
33.1.2	45.1.4	55.1.3	61.2.17	69.4.4	75.3.11
33.3.12	45.1.7	56.3.6	62.4.21	70.4.26	77.2.17
35.1.11	45.4.12	58.1.6	63.1.17	71.1.2	78.1.5
36.1.7	46.3.10	58.1.26	63.3.19	71.1.9	81.3.3
36.3.8	47.1.10	59.3.14	64.1.3	73.2.16	81.3.21
36.3.24	47.3.20	59.3.23	66.2.25	73.4.4	
37.4.10	49.4.15	60.1.2	67.4.12	74.4.14	

response

29.1.2	34.3.8	39.4.3	46.2.17	62.2.14	76.2.8
30.2.7	35.1.5	39.4.8	54.2.10	65.4.16	78.1.3
30.4.16	35.4.25	40.1.4	54.4.2	68.2.26	79.4.12
31.3.20	36.1.1	41.1.3	56.2.11	70.4.8	80.1.20
32.4.1	37.2.10	41.3.9	57.3.5	73.2.14	
34.2.8	37.2.13	41.3.12	58.4.12	74.4.1	

match the reasoning

PT	S	#	S	#
29	1	13*	4	(/)
30	2	14	4	9
31	2	23	3	18
32	1	16	4	(/)
33	1	23	3	(/)
34	2	6	3	25^
35	1	(/)	4	23
36	1	(/)	3	(/)
37	2	26	4	14
38	1	22	4	(/)
39	2	8	4	(/)
40	1	23	3	25
41	1	15	3	24
42	2	22	4	(/)
43	2	11	3	25
44	2	(/)	4	21
45	1	25	4	(/)
46	2	18	3	(/)

PT	S	#	S	#
47	1	15	3	(/)
48	1	12	4	22
49	2	24	4	17
50	2	(/)	4	14
51	1	5	3	24
52	1	3	3	(/)
53	1	19	3	23
54	2	23	4	25
55	1	(/)	3	15
56	2	(/)	3	24
57	2	19	3	20
58	1	(/)	4	(/)
59	2	16	3	(/)
60	1	17	3	6
61	2	(/)	4	9
62	2	(/)	4	25
63	1	21	3	20
64	1	21	3	25

PT	S	#	S	#
65	1	(/)	4	17
66	2	16	4	13
67	2	19	4	19
68	2	9	3	22
69	1	(/)	4	10
70	1	19	4	17
71	1	14	3	24
72	2	26	3	23
73	2	17	4	21
74	1	19	4	19
75	1	25	3	9
76	2	(/)	4	22
77	2	(/)	4	23
78	1	23	3	13
79	1	(/)	4	16
80	1	14	4	19
81	2	21	3	25

* = least similar, ^ = response

inference

PT	S	#	S	#
29	1	6, 8, 18, 21	4	3, 12, 22*, 23
30	2	16, 18, 19^, 20, 23†	4	4, 7*, 10, 22
31	2	7, 8*, 15*, 17, 20	3	6, 10, 22
32	1	7, 9†, 11, 18, 24	4	10, 14, 24
33	1	7, 9, 11, 16^	3	8, 10, 13
34	2	4, 19, 23	3	12, 13, 19, 22*
35	1	12, 19	4	1^, 3, 21, 22‡, 26
36	1	4, 5‡, 11, 14, 16	3	17, 23 †
37	2	2, 7, 9, 12	4	1, 3, 6, 8
38	1	13, 15, 19, 20, 21	4	1, 10, 24, 25^
39	2	6, 7, 12, 24*	4	6, 10, 16
40	1	3, 7, 22, 24	3	3, 11
41	1	7, 9, 11, 21	3	2*, 3, 6, 10*, 25
42	2	7, 11, 16	4	7, 17, 25*, 26
43	2	4, 7, 17, 22	3	9, 17*, 21, 24
44	2	2, 11, 14	4	3, 8, 12, 15, 18*, 23
45	1	8, 22	4	16, 18
46	2	2, 7, 12	3	9, 11, 25
47	1	13, 16, 18	3	1, 3, 10, 12
48	1	6, 14, 26	4	3, 14, 16, 18*
49	2	9, 16*, 20, 21*	4	3, 5*, 10, 14, 19
50	2	9, 18	4	1, 10, 15
51	1	11, 21	3	12, 14, 19, 21
52	1	5, 7, 13, 15, 18*, 24	3	14, 18, 23
53	1	7, 16	3	7, 19, 21
54	2	7, 12, 16, 20, 25	4	5, 12, 23
55	1	5, 8, 10, 15, 25^	3	3, 5, 12, 16

PT	S	#	S	#
56	2	5 †, 19, 23	3	2, 11, 15, 22*
57	2	2, 18, 23 ‡, 25	3	13, 23, 25
58	1	10, 15, 20	4	6, 9, 13, 15
59	2	12, 19, 24	3	3, 7, 19, 21
60	1	3, 24	3	10, 12, 14, 17
61	2	3, 10, 15	4	3^, 5, 7, 10
62	2	6, 19, 21, 24*	4	6, 8, 11, 24
63	1	1, 6, 9, 12, 20	3	5, 7, 13
64	1	2, 18, 20	3	1, 3, 22
65	1	4, 7, 25	4	6, 9, 15
66	2	14, 22	4	21
67	2	5, 7, 11, 24	4	5, 15, 17, 20
68	2	1, 8, 10, 18	3	2, 4, 10, 13, 19
69	1	10, 12, 16, 21	4	2, 9, 20
70	1	1, 8, 22, 24	4	2, 14, 18, 21
71	1	1, 4, 8, 15, 17	3	5, 10, 17, 23
72	2	17, 24	3	16, 20, 24
73	2	21, 23, 25	4	8, 12, 14, 16
74	1	1, 11, 22, 24	4	7, 11, 13, 23
75	1	13, 17, 20	3	1, 4, 24
76	2	2, 13, 15, 17	4	17, 19
77	2	13, 23, 25*	4	13, 15, 18
78	1	8, 11, 13	3	3, 7, 22*, 24
79	1	8, 20*, 25	4	23, 25
80	1	10*, 22	4	12, 15, 17, 21
81	2	2, 7, 15, 17, 19	3	5, 10, 14, 19, 24

* = must be false, ^ = except, † = opinion/conclusion, ‡ = against

give an example

PT	S	#	S	#
29	1	(/)	4	10
30	2	(/)	4	(/)
31	2	(/)	3	(/)
32	1	(/)	4	3,18
33	1	(/)	3	(/)
34	2	(/)	3	(/)
35	1	7	4	(/)
36	1	17	3	15
37	2	(/)	4	(/)
38	1	7	4	7*, 23
39	2	11	4	24
40	1	(/)	3	(/)
41	1	14	3	(/)
42	2	9, 21	4	8
43	2	(/)	3	5
44	2	12	4	(/)
45	1	9	4	2, 21
46	2	15, 21	3	12

PT	S	#	S	#
47	1	5	3	18, 22
48	1	4	4	(/)
49	2	3	4	(/)
50	2	1, 23	4	(/)
51	1	9, 17	3	(/)
52	1	22	3	25
53	1	17	3	(/)
54	2	(/)	4	17
55	1	11, 16	3	(/)
56	2	18	3	23
57	2	(/)	3	14^
58	1	2, 21	4	4
59	2	(/)	3	6
60	1	(/)	3	18
61	2	2	4	(/)
62	2	13, 18*	4	(/)
63	1	11	3	(/)
64	1	(/)	3	18

PT	S	#	S	#
65	1	6	4	(/)
66	2	(/)	4	14
67	2	(/)	4	(/)
68	2	(/)	3	(/)
69	1	8, 18^	4	6
70	1	6	4	(/)
71	1	19^, 25	3	(/)
72	2	(/)	3	(/)
73	2	(/)	4	23
74	1	(/)	4	(/)
75	1	(/)	3	(/)
76	2	2, 26	4	(/)
77	2	12	4	10^
78	1	(/)	3	(/)
79	1	16	4	13
80	1	21	4	24
81	2	10	3	(/)

* = except, ^ = goes against

i.d. the disagreement

PT	S	#	S	#
29	1	1,9	4	13,16
30	2	10	4	21
31	2	1	3	3*,15^,19
32	1	(/)	4	20,25^
33	1	3	3	2^,19
34	2	(/)	3	7,15
35	1	26†	4	(/)
36	1	(/)	3	4,10*
37	2	11,23	4	7,24*
38	1	5	4	26
39	2	4*,13,23	4	2,7
40	1	10^,15^	3	16
41	1	(/)	3	(/)
42	2	8,13	4	(/)
43	2	1,5^,13,19†	3	6
44	2	6	4	10
45	1	6,10	4	8
46	2	1,9	3	(/)

PT	S	#	S	#
47	1	4,25†	3	5,9
48	1	(/)	4	(/)
49	2	1,10	4	(/)
50	2	11	4	8
51	1	23	3	(/)
52	1	(/)	3	10
53	1	2,12^	3	(/)
54	2	(/)	4	(/)
55	1	(/)	3	(/)
56	2	2†,17,21	3	(/)
57	2	11	3	(/)
58	1	(/)	4	(/)
59	2	2	3	(/)
60	1	(/)	3	25
61	2	7	4	18
62	2	(/)	4	(/)
63	1	14	3	4
64	1	(/)	3	5,7

PT	S	#	S	#
65	1	23	4	4,25
66	2	20	4	19,23
67	2	10,16	4	(/)
68	2	21	3	25
69	1	2†	4	25†
70	1	4	4	5†
71	1	10	3	2
72	2	19	3	(/)
73	2	(/)	4	(/)
74	1	(/)	4	(/)
75	1	(/)	3	(/)
76	2	3	4	4,10
77	2	(/)	4	2
78	1	4,6,20	3	(/)
79	1	11	4	5,20
80	1	7,15,18†	4	2
81	2	26†	3	1

* = i.d. the relationship, ^ = i.d. the interpretation, † = i.d. the agreement

explain this

PT	S	#	S	#
29	1	4, 10, 25*	4	19*
30	2	12*	4	5*
31	2	11, 13*	3	2
32	1	2	4	5, 17
33	1	8*, 14	3	1, 3
34	2	5, 7	3	2*
35	1	10*, 21, 25	4	4, 12
36	1	9, 13, 23*	3	1
37	2	8*, 17*	4	5
38	1	9	4	9*
39	2	3, 5	4	5, 9, 12
40	1	1	3	1, 7*
41	1	2, 4, 8	3	1, 5*, 21
42	2	5	4	5, 11, 24
43	2	3, 15, 25	3	13, 15*, 18
44	2	3, 10	4	25
45	1	5	4	5, 15*
46	2	6	3	1
47	1	6	3	11*, 15*
48	1	22	4	7, 19, 24
49	2	2	4	11, 25*
50	2	5*, 8, 21	4	16
51	1	3, 22	3	8, 10
52	1	11*, 14	3	20, 22
53	1	24*	3	22*
54	2	4	4	6, 13, 21
55	1	13	3	1

PT	S	#	S	#
56	2	13, 22	3	7
57	2	3	3	1, 4, 7
58	1	3, 8*, 17	4	1, 7, 20
59	2	11	3	1, 4, 17*
60	1	5, 9	3	1
61	2	12, 19*, 25	4	12, 14
62	2	20	4	7, 17*, 26*
63	1	4	3	8, 12, 26
64	1	6	3	8, 13
65	1	12	4	1, 10
66	2	23	4	10, 15, 18
67	2	2, 4*	4	3, 23
68	2	3, 6	3	6, 14
69	1	1, 15	4	5
70	1	5, 12	4	7, 13
71	1	20	3	3, 26
72	2	9, 11	3	1, 5
73	2	2, 24	4	15, 22
74	1	9, 15	4	9, 12
75	1	6, 19	3	5
76	2	7, 11, 20	4	25
77	2	19	4	3, 21*
78	1	17	3	9, 16
79	1	1, 3, 5	4	1, 3
80	1	1, 8, 12	4	3, 13
81	2	1, 12	3	2, 6

* = except

ordering games

basic

29.3	43.1	50.1	60.2	69.1	81.2
30.4	43.2	51.4	61.4	70.1	81.3
33.1	44.1	52.1	62.1	71.1	
34.3	45.1	54.3	62.4	71.4	
37.4	46.1	56.1	64.1	75.3	
38.1	47.1	57.1	65.1	76.1	
41.1	48.2	58.1	65.4	77.3	
41.4	49.1	59.2	66.2	79.4	
42.2	49.4	59.4	67.2	80.2	

with subsets + numbers issues

39.3	44.4	57.2
------	------	------

with subsets

30.3	37.2	46.3	55.4	68.4	77.1
31.4	38.2	51.3	58.3	70.3	78.4
32.4	38.4	52.3	65.2	71.3	81.1
36.2	39.1	53.3	66.4	74.2	
36.4	41.2	55.3	68.1	75.4	

with subsets + or rules

54.4

with numbers issues

31.3	35.4	55.2	60.3	63.4	79.1
34.1	40.2	57.4	61.3	77.2	

with numbers issues + conditional rules

30.2	78.2
------	------

with significant or rules

32.3	51.2	53.2	63.2	72.2	74.1
40.1	52.4	61.2	63.3	73.1	78.3

grouping games

basic

38.3	45.4	51.1	52.2
------	------	------	------

with subsets

29.2	37.3	55.1	60.4	67.1	80.1
35.1	43.3	57.3	64.3	75.1	80.3

with numbers issues

29.1	46.4	53.1	69.2	74.3
35.2	47.3	56.3	69.4	75.2
40.3	48.1	63.1	71.2	76.2
42.3	48.3	64.4	72.3	81.4
42.4	49.2	66.3	73.3	
43.4	51.1	67.4	73.4	

with significant conditional rules

31.2	34.4	41.3	58.2	76.4
33.2	36.1	49.3	59.3	

with subsets + numbers issues

30.1	39.2	77.4
32.2	44.3	80.4
37.1	70.2	

with subsets + conditional rules

54.1	78.1
------	------

with numbers issues + conditional rules

39.4	47.2	58.4
45.3	56.2	62.2

with numbers issues and significant or rules

79.2	79.3
------	------

with subsets, numbers issues, + conditional rules

33.3	42.1	61.1
40.4	50.2	65.3

with numbers issues, conditional rules, + significant or rules

74.4

ordering + grouping games

basic

35.3	56.4	72.4
44.2	70.4	73.2

with subsets

46.2	48.4	60.1	68.3	76.3
47.4	53.4	66.1	69.3	

with numbers issues

33.4	50.4	59.1	67.3
45.2	54.2	62.3	68.2

with significant conditional rules

36.3

with numbers and subsets

29.4	32.1	72.1
31.1	50.3	

assignment (games with neither ordering nor grouping)

30.1	34.2	44.4	57.3	64.2
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