Ballot counting example for a choice voting (STV) election using fractional transfers
This sheet shows a batch of ballots, how each ballot counts in each round of counting, and vote totals for each candidate in each round.

Center for Voting and Democracy
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Calculations	
Number of ballots	30
Number of seats	3
Threshold	8
A's votes in 1st round	12
Threshold	8
Surplus value	0.333

Round-by-round election results

Candidate	1st Rnd		2nd Rnd	3rd Round
A	12.00	Elected	8.00	8.00
B	5.00		5.00	6.00
C	3.00		4.33	0.00
D	5.00		5.33	6.33
E	5.00		6.67	7.67
Exhausted	0.00		0.67	2.00
Total	30.00		30.00	30.00
Result of round	**A elected**		**C eliminated**	**B eliminated**

Ballots: choices indicated on each ballot

Voters' choices					
Ballot #	**1st**	**2nd**	**3rd**	**4th**	**5th**
1	A	C	B		
2	A	C	B	E	D
3	A	C	B	E	
4	A				
5	A	C			
6	A				
7	A	D	E		
8	A	E	C	D	
9	A	E			
10	A	E	D		
11	A	E	D		
12	A	E	D	B	C
13	B				
14	B	C	A		
15	B	C			
16	B				
17	B	C			
18	C				
19	C	D			
20	C	E	D		
21	D				
22	D	E			
23	D	E			
24	D	E			
25	D	E	C		
26	E	A	B		
27	E	C	B		
28	E	D	A	B	
29	E	D	C	B	
30	E	D	C	B	

The tally: how each ballot was counted

1st Round		2nd Round		3rd round	
Counts for	**Value**	**Counts for**	**Value**	**Counts for**	**Value**
A	1.00	**C**	0.33	**B**	0.33
A	1.00	**C**	0.33	**B**	0.33
A	1.00	**C**	0.33	**B**	0.33
A	1.00	**Exh**	0.33	**Exh**	0.33
A	1.00	**C**	0.33	**Exh**	0.33
A	1.00	**Exh**	0.33	**Exh**	0.33
A	1.00	**D**	0.33	**D**	0.33
A	1.00	**E**	0.33	**E**	0.33
A	1.00	**E**	0.33	**E**	0.33
A	1.00	**E**	0.33	**E**	0.33
A	1.00	**E**	0.33	**E**	0.33
A	1.00	**E**	0.33	**E**	0.33
B	1.00	**B**	1.00	**B**	1.00
B	1.00	**B**	1.00	**B**	1.00
B	1.00	**B**	1.00	**B**	1.00
B	1.00	**B**	1.00	**B**	1.00
B	1.00	**B**	1.00	**B**	1.00
C	1.00	**C**	1.00	**Exh**	1.00
C	1.00	**C**	1.00	**D**	1.00
C	1.00	**C**	1.00	**E**	1.00
D	1.00	**D**	1.00	**D**	1.00
D	1.00	**D**	1.00	**D**	1.00
D	1.00	**D**	1.00	**D**	1.00
D	1.00	**D**	1.00	**D**	1.00
D	1.00	**D**	1.00	**D**	1.00
E	1.00	**E**	1.00	**E**	1.00
E	1.00	**E**	1.00	**E**	1.00
E	1.00	**E**	1.00	**E**	1.00
E	1.00	**E**	1.00	**E**	1.00
30 1st choices		18 1st choices		3 3rd choices from A	
30 ballots		10 2nd choices from A		6 2nd choices from A	
		2 exhausted ballots		15 1st choices	
		30 ballots		2 2nd choices from C	
				4 exhausted ballots	
				30 ballots	

Round 1: A has reached the threshold and is elected with 12 votes.
Each of A's votes are distributed at full value to the voters' next choices.
2 ballots exhaust because the voter did not indicate a 2nd choice.

Round 2: No candidate has reached the threshold, so the candidate with the fewest votes, C, is eliminated.
Each of C's votes is distributed at face value to the voters' next choices, and 4 ballot exhaust because they don't list another choice.
C's votes included 3 whole votes and 5 fractional votes

Round 3: No candidate has reached the threshold, so the candidate with the fewest votes, B, is eliminated.
At this point, one candidate has been elected, and there are only 2 candidates (D and E) remaining for 2 remaining seats.
Therefore, D and E are declared elected, and the winners of the election are A, D and E.