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Power of tests comparing two independent samples

FIRST CLICK ON TYPE OF TEST

☒ P1. Comparison of proportions
☐ P2. Proportions, stratified data (Mantel-Haenszel)
☐ P3. Ordered categories (Mann-Whitney)
☐ P4. Comparison of means (t test)

The groups are A and B. In a case-control study or trial, call the controls "B". In a cohort study, call the unexposed "B".

Significance level %:
2-sided: 5 or 1-sided: 2.5

	Yes	No	Total
Group A:	a	c	A
Group B:	b	d	B

Size of sample A: 43 Size of sample B: 37
Proportion (known or assumed) in group B (b/B): 0.4
TO DETECT Odds ratio (ad/bc): 4.9
or Risk ratio (a/A : b/B):
or Proportion in group A (a/A): 0.7656

POWER OF EXACT TESTS: Fisher's test: 87.86%
Mid-P test: 91.61%

POWER OF CHISQUARE TEST: continuity-corrected: 88.50%
not continuity-corrected: 92.69%

Clear Repeat Run Print