Problem.

The table below gives the results of a matched-pairs study comparing two different foot creams D and E, for treating timea pedis (athlete's foot), with each subject given Cream D on one foot, Cream E on the other foot. Is there sufficient evidence showing one cream better than the other?

Treatment with Cream D

	Cured	Not Cured
	16	17

Treatment with Cream E

	Cured	Not Cured
	38	14

Solution.

The cream D has cured $\frac{16}{16+17} = \frac{16}{33} \approx 48\%$ of patients, while cream E has cured $\frac{38}{38+14} = \frac{38}{52} \approx 73\%$. The cream E has cured $73 - 48 = 25\%$ patients more, so we may say that cream E is better than cream D.