

Workcard

Level: 5

Strand: Chance and Data Substrand: Summarize and Represent Data

Playing for Tacks

If you drop a tack 100 times do you think it is more likely to land point up or point down?

Fill in your guess first

Table A

Outcome	My guess
Point up	
Point down	
Total	100

1. 1. Now with your partner drop the tack and record your results in the table below.

Individual Table

Outcome	Tally	Frequency
Point up		
Point Down		
Total		100

How did your guess compare to the actual results? Are they close?

Combine your results with a group near by to fill in the table below

Group table

Outcome	Our group	Other group	Combined total
Point up			
Point Down			
Total			200

Is there a difference in the points up and points down in the last two tables?

Why do you think there is a difference? What might happen if you combined with other groups?

0 | _____ 1

Mark on this scale the probability of the tack landing point up

Reflection