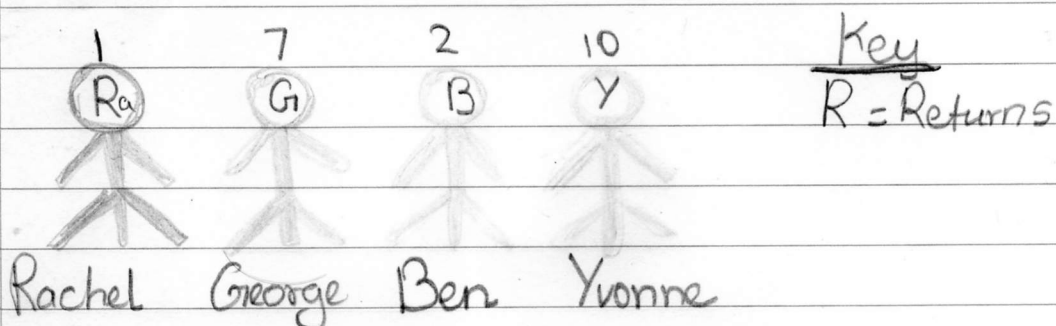
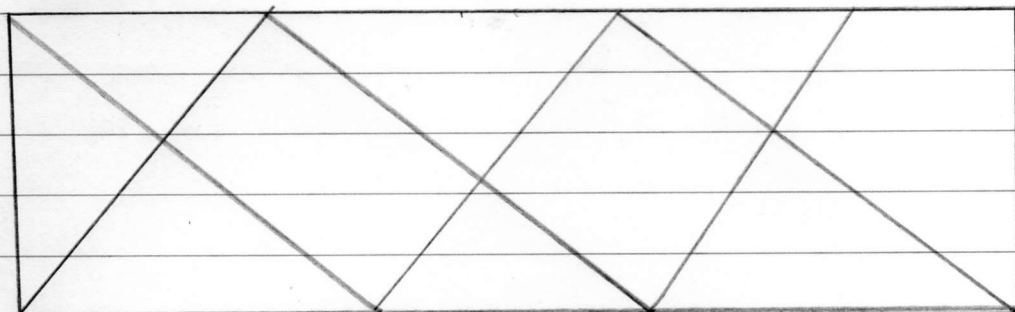


Maths 15/03/08

Four Friends need to cross the bridge  
They start on same side



The second fastest which is Ben should get his friends across in 21 minutes:

Ben and Rachel goes through the bridge and Rachel returns back with lamp. Then Rachel and George crosses across the bridge and Rachel comes back. Finally, Rachel and Yvonne crossed the bridge which equalled 21 minutes.

$BR=2, RaR=1, RaG=7, RaR=1, RaY=10$  (2+1+7+1+10=21)

The fastest which is Rachel takes 17 minutes:

Rachel and Ben goes through the bridge and Rachel returns. Then George and Yvonne crossed across the bridge. Next Ben crosses across the bridge. Eventually Rachel and Ben crosses the bridge which equals 17 mins.

$RaB=2, RaR=1, GY=10, BR=2, BRa=2$   
(2+1+10+2+2=17 mins)