

# Joust Away!

You need  counters (optional)

## Activity

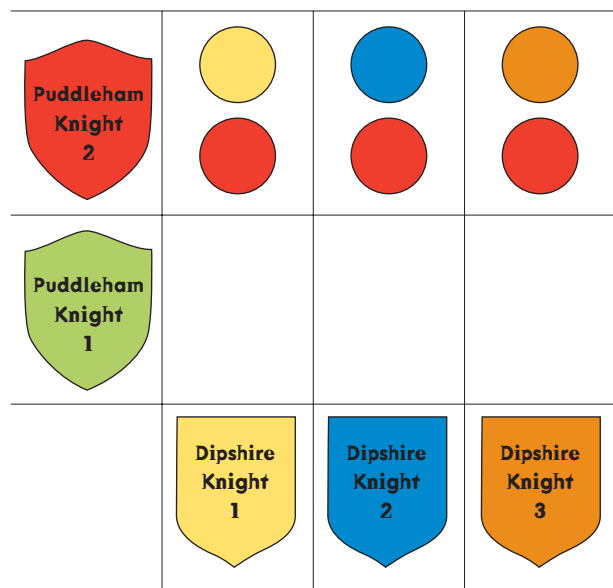
Dipshire's 3 knights are about to have a jousting tournament with 2 knights from Puddleham.

1. a. Each Dipshire knight wants to joust with each Puddleham knight. How many jousts will there be altogether?



Sir Lancelot starts his diagram like this:

I could draw a diagram to help me work this out. I might use counters to show the knights in each joust.





- b. A knight arrives from Bilbury. How many jousts would there be if he joined:
- the Dipshire team?
  - the Puddleham team?

2. The 7 knights in Twicken are practising their jousting. What's the greatest number of jousts they can have if they divide into 2 teams and each knight jousts with every knight on the opposite team? Explain your answer.

I wonder if we'd get more jousts if we had a team of 6 and a team of 1? Or would it be better if we split the teams more evenly?

3. There's going to be a tournament between 2 knights from Twicken, 2 knights from Puddleham, and 2 knights from Dipshire. Each knight will joust with the 2 knights from each of the other teams. Sir Brian is working out how many jousts there will be in the tournament.

Sir Lancelot's diagram was good for 2 teams. I'll start with a diagram for Twicken versus Puddleham. I wonder how many diagrams I actually need to do?

- Draw some diagrams to help Sir Brian.
- How many jousts will there be altogether?