

# Judo Competition

You need: a classmate

## ACTIVITY ONE

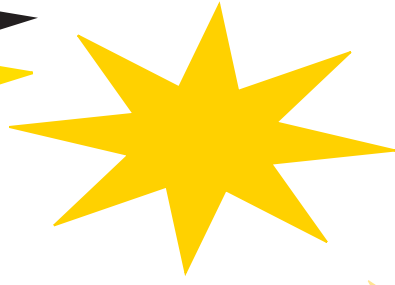
Six children from a Tauranga judo club are taking part in a competition. Points and penalties are awarded in the following way:

Points		Penalties	
ippon	10	hansoko-make	-10
waza-ari	5	keikohu	-5
yuko	2	chui	-2
koka	1	shido	-1

Here are the first-round scores of the Tauranga competitors:

Jason	Emily	Ruth	Ben	Kate	Tom
ippon	keikohu	chui	yuko	koka	ippon
koka	chui	ippon	koka	yuko	ippon
chui	waza-ari	shido	hansoko-make	chui	keikohu
koka	yuko	yuko	chui	chui	shido
yuko	chui	koka	koka	ippon	yuko
keikohu	shido	chui	yuko	chui	keikohu

- What are their scores after the first round?
  - Share with a classmate your strategies for calculating each person's points.
- Which competitors' scores combine to equal Tom's score?
  - How far ahead is Tauranga's highest scoring competitor from their lowest scoring clubmate?
- What is Ben and Emily's combined score?
- What is the club's total score so far?



**ACTIVITY TWO**

The points and penalties are doubled for the second round. The Tauranga competitors score the following in round two:

Jason	Emily	Ruth	Ben	Kate	Tom
waza-ari	hansoko-make	keikohu	yuko	koka	chui
yuko	chui	koka	koka	keikohu	koka
hansoko-make	keikohu	yuko	keikohu	chui	yuko
chui	waza-ari	yuko	yuko	yuko	ippon
ippon	waza-ari	ippon	chui	ippon	shido
koka	hansoko-make	yuko	waza-ari	koka	ippon

- What are their scores for the second round?
  - What is the difference between the highest and lowest scores?
- What is the club's score for round two?
  - What is the club's total score so far?

**ACTIVITY THREE**

The final round has triple points and penalties, but each competitor is only allowed to count two scores.

Tauranga's main opposition, the Counties-Manukau club, finishes with 157 points. Emily injured herself during round two and has withdrawn from the competition.

- Design a possible scoring sheet for round three for the five remaining Tauranga competitors so that their club overtakes Counties-Manukau by up to 10 points. You must include at least three penalties for the whole team. (For example, Jason could be ippon, chui, giving  $30 + 6 = 36$  points.)
- What is your score for the Tauranga club for this round?
- What is your total score for the Tauranga club?

