

Riding the Waves

You need a photocopy of the surfing judging sheet copymaster
 a calculator (optional)

Activity

Anaru's surf club is having a surfing competition. In the heats, each competitor rides 5 waves and the judges score each wave ridden out of 10.

Each competitor's final score for their heat is the total of their best 3 waves.

1. This is Wayne's judging sheet for the first heat of the boys' surfing competition:



Judge: Wayne						Total (best 3 waves)
Anaru	7.2	3.4	8.4	6.6	5.3	
Eli	3.6	7.4	6.1	7.5		
Josh	4.3	7.1	5.5	5.4	6.3	
Max	5.2	6.8	6.5	4.5		

- Who is coming first, second, and third, according to Wayne's judging?
- Could Max score enough in his final surf to get first place?

2. Wayne was also a judge for the girls' surfing competition. Work out the missing scores to make the totals correct for this heat:

Judge: Wayne						Total (best 3 waves)
Kelly	4.2	5.6	4.7	4.9		16.9
Sue	5.9		5.7	6.1	8.0	21.5
Margot	6.5	7.2	4.8	7.2		21.1
Janice	2.7	4.2		3.8	4.2	12.5



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In the final of the boys' surfing competition, the head judge got the following total scores from the five judges:

Judge: Wayne

Jake	22.0
Anaru	27.5
Thomas	29.4
Clint	20.3

Judge: Jared

Jake	22.5
Anaru	28.5
Thomas	29.7
Clint	22.9

Judge: Rachel

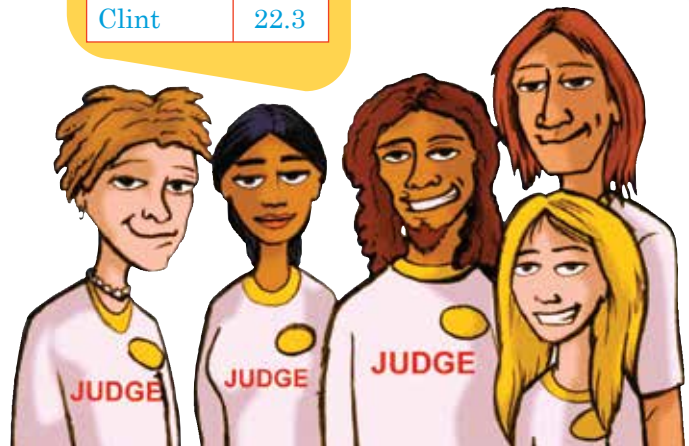
Jake	20.8
Anaru	26.6
Thomas	27.9
Clint	22.3

Judge: Ben

Jake	18.9
Anaru	25.3
Thomas	27.2
Clint	17.6

Judge: Ella

Jake	21.5
Anaru	29.5
Thomas	29.7
Clint	22.3



The local newspaper reported that the judges consistently chose Thomas as the best surfer, but Anaru "... might have 'pipped' Thomas for first place if he had had one great ride ..." Do you think that is true?



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After the final of the girls' surfing competition, the head judge filled in the following table to work out the final placings. Complete your copy of the table.

Surfer	Judges' mean scores					Total	Mean	Place
	Wayne	Jared	Rachel	Ben	Ella			
Kiri	6.2	6.0	6.5	6.3	6.7	31.7	6.34	
Sue	7.4	7.8	7.1	8.3			7.58	
Zoe	5.3	5.9	6.3	6.7	6.4			
Hine	5.9	7.5	6.1		4.9	31.5		
Eseta	5.8	6.1	5.9	6.2	5.4			
Trish	7.5	7.6	8.1	8.4	8.3			