

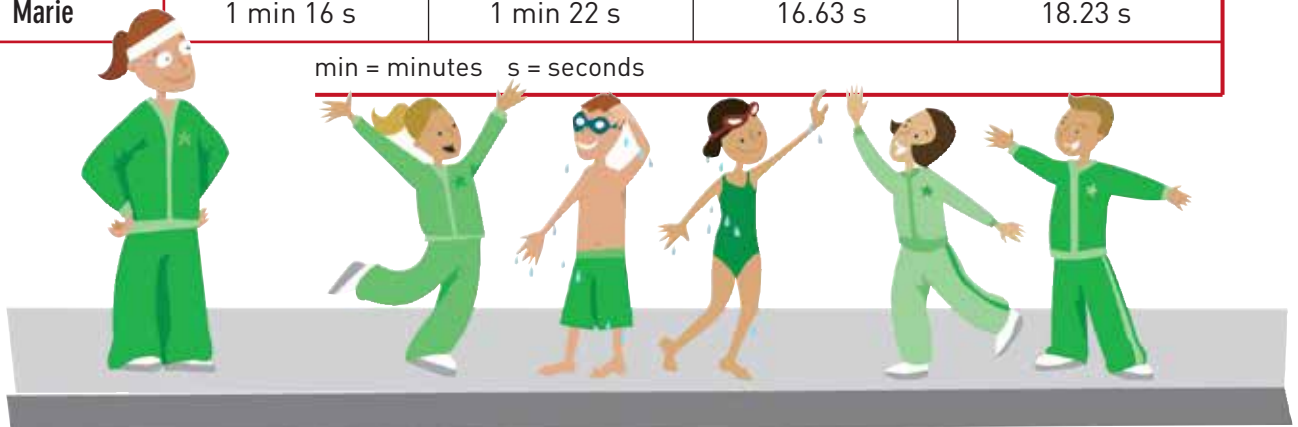
Dash and Splash!

Activity

William, Findlay, Hine, Layla, and Marie are in the Mackenzie Swimming Club team. Here is a table showing their best times for each event.

Name	Type of Swimming Stroke			
	Freestyle 100 metres	Backstroke 100 metres	Breaststroke 25 metres	Butterfly 25 metres
William	1 min 06 s	1 min 14 s	16.79 s	18.83 s
Findlay	1 min 18 s	1 min 15 s	17.51 s	21.17 s
Hine	1 min 15 s	1 min 19 s	19.96 s	19.29 s
Layla	1 min 20 s	1 min 18 s	18.56 s	17.68 s
Marie	1 min 16 s	1 min 22 s	16.63 s	18.23 s

min = minutes s = seconds



1. The coach is wondering what time the squad might get for the 5×100 metre backstroke relay if they all swim close to their best times. Estimate that time for the coach.
2. Who is the fastest at each swimming stroke?
3. Findlay can swim for a long time. If he could keep up his backstroke speed for a kilometre, would he beat the club record of 11 minutes and 40 seconds? Explain your answer.
4. The coach has to choose a relay team for the 4×25 metres medley, in which each swimmer does a different stroke. Who should she choose for each stroke in order to get the fastest possible time?
5. The coach is entering the squad in the South Island Breaststroke and Butterfly Championships. She must put each of her swimmers' best times on the entry form, with each 25 metre time rounded to the nearest second. What will the coach write down for each swimmer's time?