

Sarah's results	
Event	Distance or time
Long jump	1.214 metres
25 m swim	47.329 seconds
50 m sprint	14.891 seconds
Javelin	41.676 metres

Emma's results	
Event	Distance or time
Long jump	1.864 metres
25 m swim	41.752 seconds
50 m sprint	14.587 seconds
Javelin	37.919 metres

Emily's results	
Event	Distance or time
Long jump	1.124 m
25 m swim	38.586 seconds
50 m sprint	12.625 seconds
Javelin	34.817 metres

Jack's results	
Event	Distance or time
Long jump	0.938 m
25 m swim	40.643 seconds
50 m sprint	15.262 seconds
Javelin	45.698 metres

Look at each athlete's scorecard and write his or her results into the tables below. Choose one event and compare the athletes' scores.

Event:				
Name	Distance	Distance rounded to nearest whole number	Distance rounded to nearest tenth	Distance rounded to nearest hundredth

1. Which athlete won this event?
2. Some of the athletes think it isn't fair to round the scores. Who do you think feels this way and why?

In a different competition, Jack's Frisbee throwing was rounded to 12 metres.

3. What is the lowest distance he could have thrown to 3 decimal places?
4. What is the highest distance he could have thrown?
5. Have you spotted other results which the athletes would be unhappy about having rounded? Explain them.