

### Year 6 Rounding Decimals work

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



Which athlete won this event? Highlight their score.

Some of the athletes think it isn't fair to round the scores. Who do you think feels this way and why?

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

What have you found out about this event?

Who wins the race? The person with the fastest score or the slowest? Which is the fastest score? How do you know?

Is this work too easy? Do you need to change your challenge?  
Highlight the winners in each event.

In a different competition, Ryan's Distance in Frisbee throwing was rounded to 12 metres. What is the lowest Distance he could have thrown to 2 decimal places? What is the highest Distance he could have thrown?