



# Rounding Records

I can round decimal numbers to a required degree of accuracy.



A sports club held an athletics competition. There were several events with different age categories for each event.

Can you round the lengths to the different degrees of accuracy?

Event and Category	Length	Round to the nearest whole number	Round to the nearest tenth
Long jump: Under 11	4.25m		
Long jump: Under 16	3.97m		
High jump: Under 11	0.93m		
High jump: Under 16	0.86m		
Pole Vault: Under 11	2.11m		
Pole Vault: Under 16	3.73m		
Javelin: Under 11	50.07m		
Javelin: Under 16	39.23m		
Shot put: Under 11	8.26m		
Shot put: Under 16	12.35m		



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Event and Category	Length	Round to the nearest whole number	Round to the nearest tenth	Round to the nearest hundredth
Long jump: Under 11	4.256m			
Long jump: Under 16	3.972m			
High jump: Under 11	0.937m			
High jump: Under 16	0.869m			
Pole Vault: Under 11	2.114m			
Pole Vault: Under 16	3.731m			
Javelin: Under 11	50.074m			
Javelin: Under 16	39.238m			
Shot put: Under 11	8.269m			
Shot put: Under 16	12.351m			



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Event and Category	Length	Round to the nearest whole number	Round to the nearest tenth	Round to the nearest hundredth	Round to the nearest thousandth
Long jump: Under 11	4.2595m				
Long jump: Under 16	3.9709m				
High jump: Under 11	0.9376m				
High jump: Under 16	0.8696m				
Pole Vault: Under 11	2.1147m				
Pole Vault: Under 16	3.7318m				
Javelin: Under 11	50.0741m				
Javelin: Under 16	39.2308m				
Shot put: Under 11	8.2699m				
Shot put: Under 16	12.3515m				



# Rounding Records – Answers

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Event and Category	Length	Round to the nearest whole number	Round to the nearest tenth
Long jump: Under 11	4.25m	<b>4m</b>	<b>4.3m</b>
Long jump: Under 16	3.97m	<b>4m</b>	<b>4.0m</b>
High jump: Under 11	0.93m	<b>1m</b>	<b>0.9m</b>
High jump: Under 16	0.86m	<b>1m</b>	<b>0.9m</b>
Pole Vault: Under 11	2.11m	<b>2m</b>	<b>2.1m</b>
Pole Vault: Under 16	3.73m	<b>4m</b>	<b>3.7m</b>
Javelin: Under 11	50.07m	<b>50m</b>	<b>50.1m</b>
Javelin: Under 16	39.23m	<b>39m</b>	<b>39.2m</b>
Shot put: Under 11	8.26m	<b>8m</b>	<b>8.3m</b>
Shot put: Under 16	12.35m	<b>12m</b>	<b>12.4m</b>



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Long jump: Under 11	4.256m	<b>4m</b>	<b>4.3m</b>	<b>4.26m</b>
Long jump: Under 16	3.972m	<b>4m</b>	<b>4.0m</b>	<b>3.97m</b>
High jump: Under 11	0.937m	<b>1m</b>	<b>0.9m</b>	<b>0.94m</b>
High jump: Under 16	0.869m	<b>1m</b>	<b>0.9m</b>	<b>0.87m</b>
Pole Vault: Under 11	2.114m	<b>2m</b>	<b>2.1m</b>	<b>2.11m</b>
Pole Vault: Under 16	3.731m	<b>4m</b>	<b>3.7m</b>	<b>3.73m</b>
Javelin: Under 11	50.074m	<b>50m</b>	<b>50.1m</b>	<b>50.07m</b>
Javelin: Under 16	39.238m	<b>39m</b>	<b>39.2m</b>	<b>39.24m</b>
Shot put: Under 11	8.269m	<b>8m</b>	<b>8.3m</b>	<b>8.27m</b>
Shot put: Under 16	12.351m	<b>12m</b>	<b>12.4m</b>	<b>12.35m</b>



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Event and Category	Length	Round to the nearest whole number	Round to the nearest tenth	Round to the nearest hundredth	Round to the nearest thousandth
Long jump: Under 11	4.2595m	<b>4m</b>	<b>4.3m</b>	<b>4.26m</b>	<b>4.260m</b>
Long jump: Under 16	3.9709m	<b>4m</b>	<b>4.0m</b>	<b>3.97m</b>	<b>3.971m</b>
High jump: Under 11	0.9376m	<b>1m</b>	<b>0.9m</b>	<b>0.94m</b>	<b>0.938m</b>
High jump: Under 16	0.8696m	<b>1m</b>	<b>0.9m</b>	<b>0.87m</b>	<b>0.870m</b>
Pole Vault: Under 11	2.1147m	<b>2m</b>	<b>2.1m</b>	<b>2.11m</b>	<b>2.115m</b>
Pole Vault: Under 16	3.7318m	<b>4m</b>	<b>3.7m</b>	<b>3.73m</b>	<b>3.732m</b>
Javelin: Under 11	50.0741m	<b>50m</b>	<b>50.1m</b>	<b>50.07m</b>	<b>50.074m</b>
Javelin: Under 16	39.2308m	<b>39m</b>	<b>39.2m</b>	<b>39.24m</b>	<b>39.231m</b>
Shot put: Under 11	8.2699m	<b>8m</b>	<b>8.3m</b>	<b>8.27m</b>	<b>8.270m</b>
Shot put: Under 16	12.3515m	<b>12m</b>	<b>12.4m</b>	<b>12.35m</b>	<b>12.352m</b>