



Mathletics

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 11	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 11	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 11	12.3515m				



Mathletics - 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	4m	4.3m
Long jump: Under 16	3.97m	4m	4.0m
High jump: Under 11	0.93m	1m	0.9m
High jump: Under 16	0.86m	1m	0.9m
Pole Vault: Under 11	2.11m	2m	2.1m
Pole Vault: Under 16	3.73m	4m	3.7m
Javelin: Under 11	50.07m	50m	50.1m
Javelin: Under 16	39.23m	39m	39.2m
Shot put: Under 11	8.26m	8m	8.3m
Shot put: Under 11	12.35m	12m	12.4m



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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	4m	4.3m	4.26m
Long jump: Under 16	3.972m	4m	4.0m	3.97m
High jump: Under 11	0.937m	1m	0.9m	0.94m
High jump: Under 16	0.869m	1m	0.9m	0.87m
Pole Vault: Under 11	2.114m	2m	2.1m	2.11m
Pole Vault: Under 16	3.731m	4m	3.7m	3.73m
Javelin: Under 11	50.074m	50m	50.1m	50.07m
Javelin: Under 16	39.238m	39m	39.2m	39.24m
Shot put: Under 11	8.269m	8m	8.3m	8.27m
Shot put: Under 11	12.351m	12m	12.4m	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	Round to the nearest thousandth
Long jump: Under 11	4.2595m	4m	4.3m	4.26m	4.260m
Long jump: Under 16	3.9709m	4m	4.0m	3.97m	3.971m
High jump: Under 11	0.9376m	1m	0.9m	0.94m	0.938m
High jump: Under 16	0.8696m	1m	0.9m	0.87m	0.870m
Pole Vault: Under 11	2.1147m	2m	2.1m	2.11m	2.115m
Pole Vault: Under 16	3.7318m	4m	3.7m	3.73m	3.732m
Javelin: Under 11	50.0741m	50m	50.1m	50.07m	50.074m
Javelin: Under 16	39.2308m	39m	39.2m	39.24m	39.231m
Shot put: Under 11	8.2699m	8m	8.3m	8.27m	8.270m
Shot put: Under 11	12.3515m	12m	12.4m	12.35m	12.352m