















15.07.20

Maths - Problem Solving

Calculate how many alien legs there are in each class.

Bubble 10 from Wombridge Primary School have gone to visit Multipled Primary School on Planet Polypod for their school trip. On planet Polypod, the inhabitants have 2, 3, 4, 5, 6, 7 or 8 legs. Can you help the pupils of Bubble 10 find out how many aliens were in each class?

 <p>Tripods have 3 legs.</p>	 <p>Bipods have 2 legs.</p>	<p>Poppy counted legs in class 1 where there were Bipods and Tripods. Bipods have 2 legs. Tripods have 3 legs. Altogether Poppy counted 23 legs. There was at least two of each. How many Bipods and Tripods were there?</p>
 <p>Tripods have 3 legs.</p>	 <p>Quadripods have 4 legs.</p>	<p>Matthew counted legs in class 2 where there were Tripods and Quadripods. Tripods have 3 legs. Quadripods have 4 legs. Altogether Matthew counted 26 legs. How many Tripods and Quadripods were there?</p>
 <p>Tripods have 3 legs.</p>	 <p>Pentapods have 5 legs.</p>	<p>Lewis counted legs in class 3 where there were Tripods and Pentapods. Tripods have 3 legs. Pentapods have 5 legs. Altogether there were 37 legs. How many Tripods and Pentapods were there?</p>
 <p>Hexapods have 6 legs.</p>	 <p>Pentapods have 5 legs.</p>	<p>Rebecca counted legs in class 4 where there were Pentapods and Hexapods. Pentapods have 5 legs. Hexapods have 6 legs. Altogether Rebecca counted 63 legs. How many Pentapods and Hexapods were there?</p>
 <p>Quadripods have 4 legs.</p>	 <p>Heptapods have 7 legs.</p>	<p>Kelci counted legs in class 5 where there were Quadripods and Heptapods. Quadripods have 4 legs. Heptapods have 7 legs. Altogether Kelci counted 75 legs. There was at least two of each. How many Quadripods and Heptapods were there?</p>
 <p>Hexapods have 6 legs.</p>	 <p>Octapods have 8 legs.</p>	<p>Reece counted legs in class 6 where there were Hexapods and Octapods. Hexapods have 6 legs. Octapods have 8 legs. Altogether Reece counted 100 legs. There was at least three of each. How many Hexapods and Octapods were there?</p>
 <p>Hexapods have 6 legs.</p>	 <p>Heptapods have 7 legs.</p>	<p>Jordan counted legs in class 7 where there were Hexapods and Heptapods. Hexapods have 6 legs. Heptapods have 7 legs. Altogether Jordan counted 105 legs. There was at least two of each. How many Hexapods and Heptapods were there?</p>

Can you create your own alien for classes 8 and 9. They can have as many legs as you like given them a name and how many legs you counted in each of these classes.