

Hello Year 2

How are you all? I am missing seeing you in class.

After all of your hard work with telling the time, I thought we would have a change and try some problem solving!

Jul 2-13:19

Here are the Bipods and Tripods. They have travelled from outer space, from the Planet Pod.



Bipod



Tripod



Jul 2-13:26

Bipods have two legs and Tripods have 3 legs.



Jul 2-13:32

E P COLLIER NEWS

5 ALIENS
SPOTTED
IN LOCAL
SCHOOL
PLAYGROUND!

If we counted the legs of the aliens who landed, how many legs could there be?

Can you find more than one answer?

Read the problem

Underline (or understand)

Calculate (or choose the operation)

Solve the problem

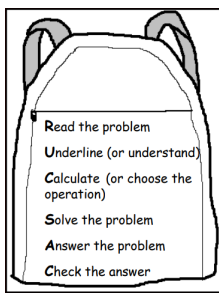
Answer the problem

Check the answer

Jul 2-13:30



If we counted the legs of the aliens who landed, how many legs could there be?
Can you find more than one answer?



Where could we start?

How do we know we have found all of the possible answers?

5 bipods = 10 legs

Bipods have two legs and Tripods have 3 legs.



4 bipods + 1 tripod = 11 legs

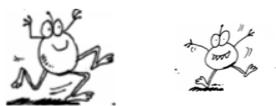


Jul 2-13:42

What if there were 4 aliens spotted, instead of 5.

Can you find me all of the possible answers to 'How many legs were there?'

Jul 2-13:47



This time we do not know how many aliens have landed, we only know that 12 legs have been counted.

Which aliens could it have been?

Is there more than one answer?

Is it possible that only Bipods landed?

Is it possible that only Tripods landed?

Could it have been a mixture?

Jul 2-13:48

How did you work it out? Did you draw Bipods and Tripods?

Did you just use numbers?

Here is one way you could work it out.

Bipods	Tripods	12 legs
2	3	6 bipods
4	6	4 tripods
6	9	3 bipods and 2 tripods
8	12	
10		
12		

Jul 2-13:53

Let us imagine 18 legs were counted.

Which aliens could it have been?

Jul 2-13:55

Are there any numbers of legs that could not have been counted?

Explain your answer? Can you find more than one example?

Jul 2-13:56

Jul 6-14:38