

LO: to solve multi-step problems (4 operations)

Today we are going to continue solving multi-step word problems that use all 4 operations.

What does multistep mean?

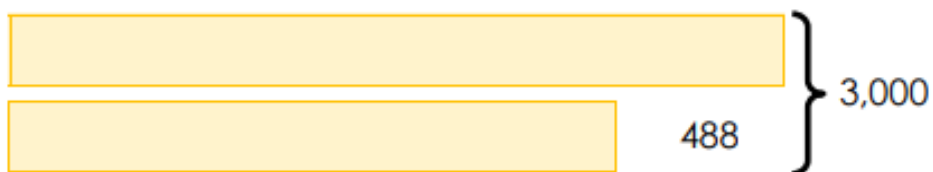
What are the four operations? What synonyms do you know for each of them?

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we
do

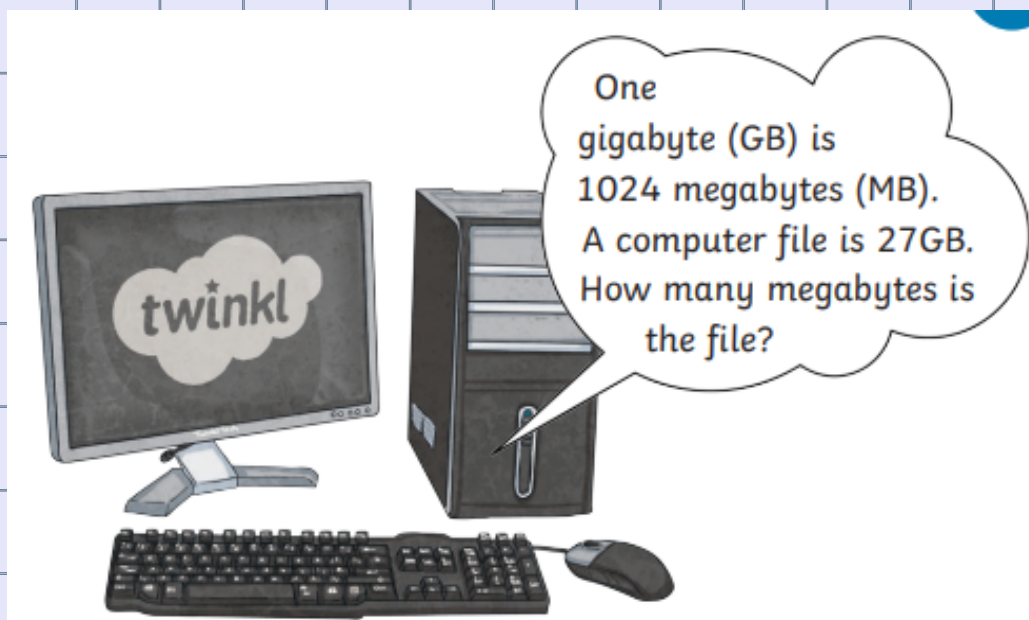
The sum of 2 numbers is 3,000. The
difference between them is 488.

What are the numbers?



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PROBLEM SOLVING 1

Millie and Darcey set out to collect 600 food items for their Harvest assembly.



On Monday they collected 37 items.

On Tuesday they collected double Monday's total.

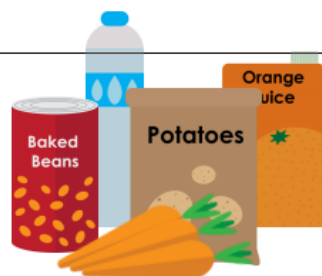
By Wednesday they had 219 items.

On Thursday, they collected $\frac{2}{3}$ of the items collected on Wednesday.

On Friday morning, they collected 3 times more than Thursday's total.



How many food items did they need to meet their initial total?



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REASONING 3

Who is correct?

Jane has 30p more than Alfie. Together they have £5.86.

How much money does each person have?



I will divide £5.86 in half then subtract 30p. That will tell me how much money Alfie has.

I will add half of 30p to half of £5.86. That will tell me how much money Jane has.



Explain how you know.

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Complete the testbase questions from yesterday.

Group 1 -

Group 2 - Women's Football club final

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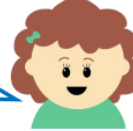
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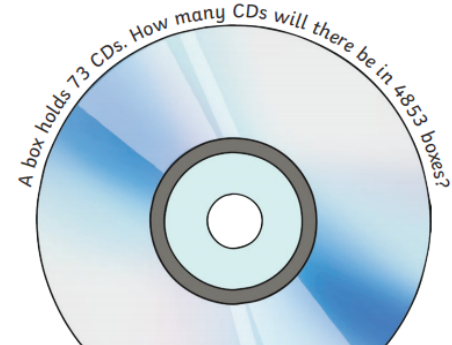
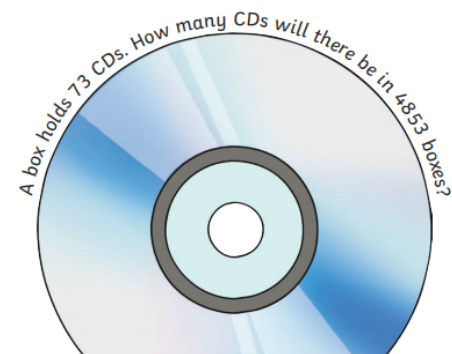
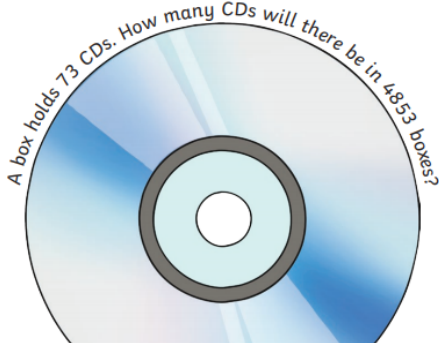
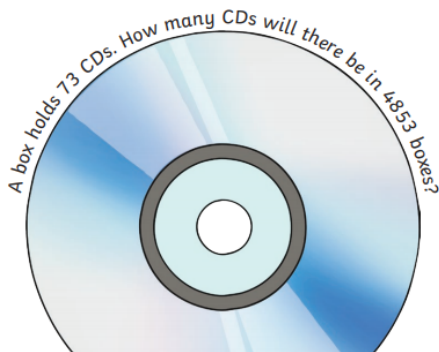
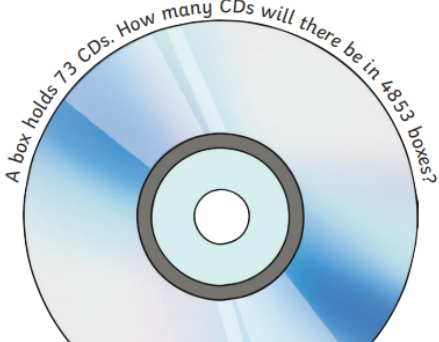
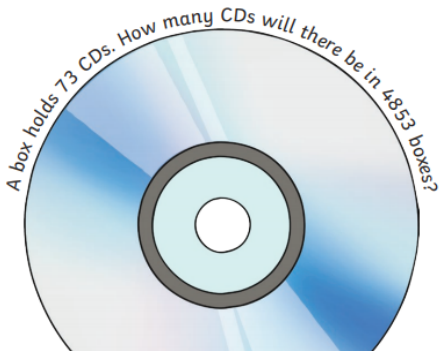


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A further 1848 mugs are delivered. During the day, 4287 mugs are sold.



How many mugs does the store have at the end of the day?

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Six pencils cost £1.92. Three pencils and one rubber cost £1.21.
What is the cost of one rubber?

A stack of 40 identical toy boxes is 1000cm tall. Markus takes three boxes off the top of the pile. How tall is the stack now?

A school orders 12 boxes of dice. Each box contains six bags of dice. Each bag contains 35 dice. How many dice do the school order in total?

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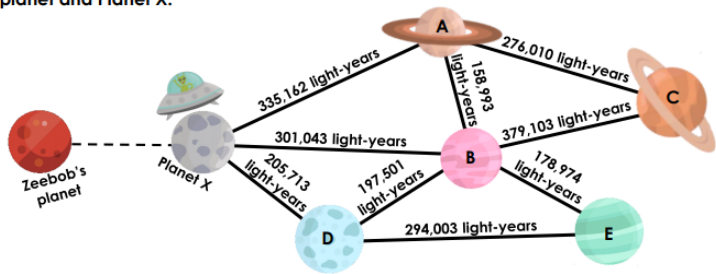
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Zeebob travels from his home planet and arrives on Planet X.

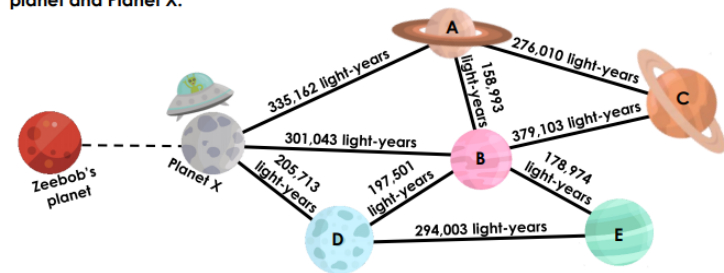
He then visits two more planets. Altogether, he has travelled a total of 957,487 light-years. Investigate how many light-years there might be between Zeebob's home planet and Planet X.



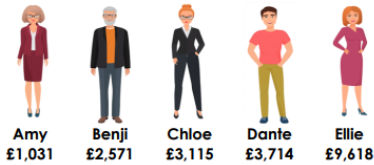
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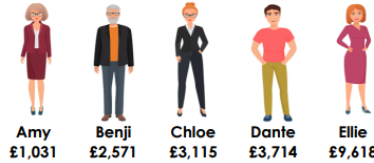


The computer at their bank malfunctions, and each amount is then multiplied by a different 2-digit number between 10 and 60. The new order is shown below.



Investigate what the different 2-digit numbers could have been.

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÷12	÷21	÷19	÷25
÷15	÷22	÷27	÷11
÷20	÷26	÷13	÷24
÷17	÷29	÷23	÷18

Jamie divides this number by three of the numbers in the grid in a row and finds the total of his remainders.

Which 3 in a row will have the smallest total remainder?

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