

# White Rose Barvember Challenges

Sample

## BARVEMBER

Friday 17 November 2017

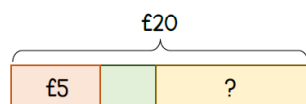


- 1** Liam bought a pair of gloves and a pair of socks.



He pays with a £20 note.

How much change does he get?

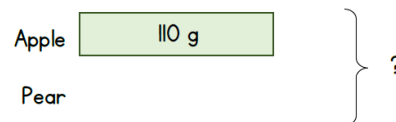


Mary-Kate buys 2 pairs of gloves and 1 pair of socks. What is the total cost?

- 2** An apple weighs 110 g.

A pear is 24 g lighter than the apple.

How much does the apple and pear weigh in total?



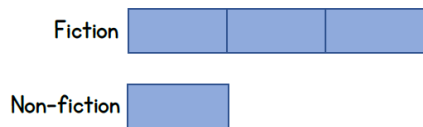
2 melons weigh the same as 5 apples.  
If an apple weighs 110 g.  
How much does 1 melon weigh?

## BARVEMBER

Friday 17 November 2017

White  
Rose  
Maths

- 3** There are three times as many fiction books as non-fiction books in a library.  
120 fiction books and 24 non-fiction books are loaned out.  
There are now twice as many non-fiction books as fiction books.  
How many books were in the library?



How does the answer change if there were 60 fiction books and 12 non-fiction books loaned out?

- 4** Andy and Bea have £700 in total.  
Andy spends  $\frac{3}{5}$  of his money.  
Bea spends  $\frac{2}{3}$  of her money.  
They had £270 left altogether at the end.  
How much money does Bea have left?



How does the answer change if Bea spends  $\frac{2}{3}$  of her money?

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**BARVEMBER**

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**Challenge**

David has  $\frac{2}{5}$  as many pencils as Caroline.

Caroline buys 38 more pencils and David buys 7 more.

The ratio of Caroline's to David's pencils is now 3 : 1

How many pencils did Caroline have at the start?