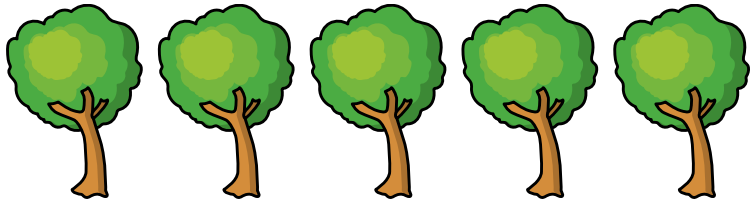
Mon 21st Nov

BARVEMBER 2022

White Rose Maths

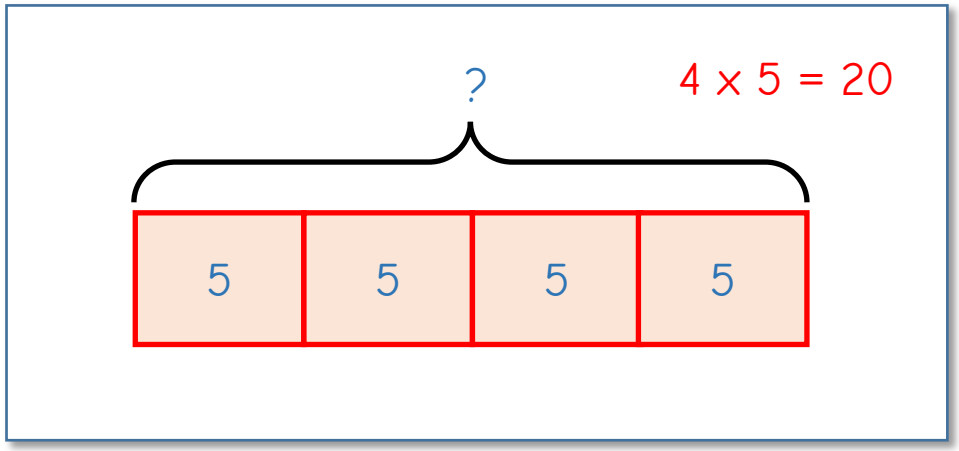
1

There are 5 trees in each row.



How many trees are there in 4 rows?

There are 20 trees in 4 rows.



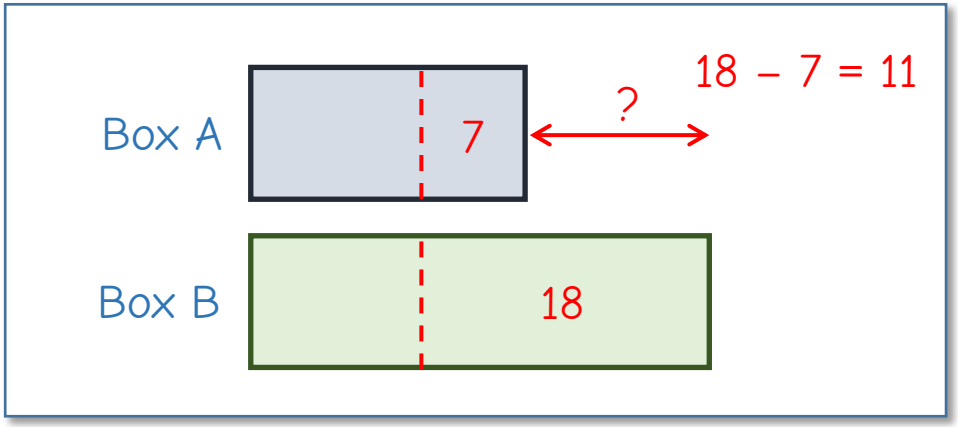
2

Two boxes contain some marbles.

- 7 marbles are removed from box A.
- 18 marbles are removed from box B.
- There are now the same number of marbles in each of the boxes.

How many more marbles were in box B than box A at the start?

There were 11 more marbles in box B than box A at the start.



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3

Annie bakes 250 cookies.

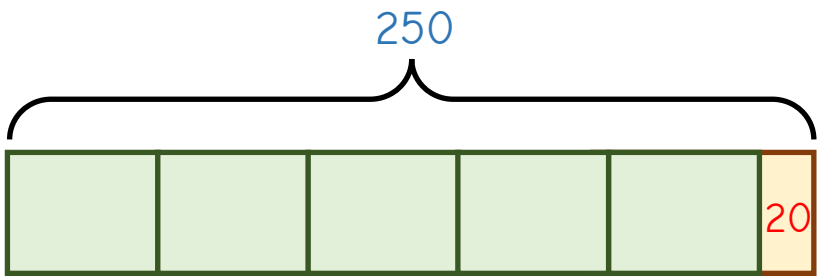


She keeps 20 of them.

She then shares the rest equally between her 5 friends.

How many cookies does each friend get?

Each friend gets 46 cookies.



250 − 20 = 230 230 ÷ 5 = 46

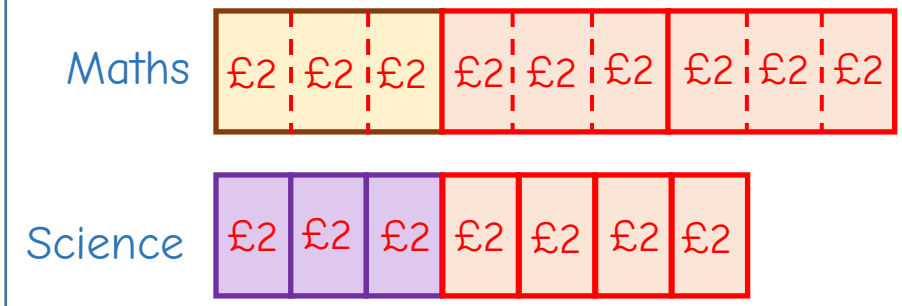
4

In a book store, $\frac{1}{3}$ of the cost of a maths book is the same has $\frac{3}{7}$ of the cost of a science book.

The total cost of the 2 books is £32

How much does each book cost?

The maths book costs £18 and the science book costs £14



£32 ÷ 16 = £2

9 x £2 = £18

7 x £2 = £14

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The Daily Challenge

White Rose Maths

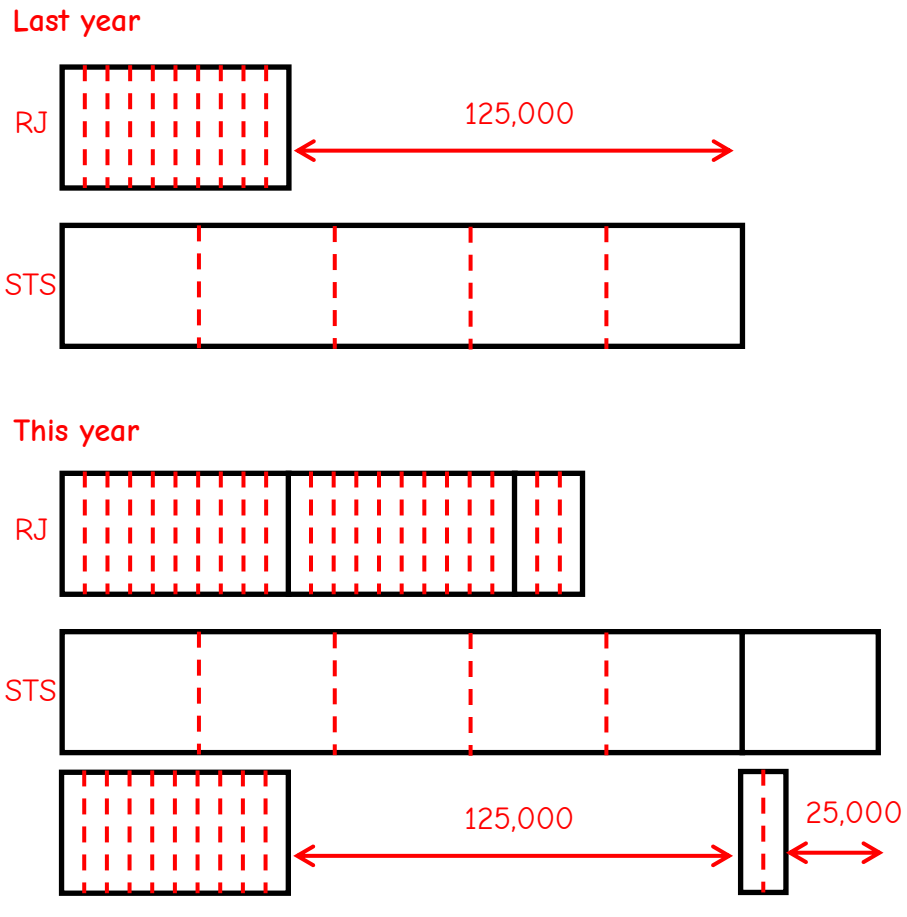
5

The latest listening figures for two radio breakfast shows have just been released.

- The number of people listening to "Rosie and Jim's Big Breakfast" show has increased by 130% in the last 12 months.
- The number of people listening to "Wake Up with Super Ted and Spotty" breakfast show has increased by 20% on the last 12 months.
- Last year, Super Ted and Spotty had 125,000 more listeners than Rosie and Jim.
- The total number of listeners to both shows this year is 339,000

How many listeners did Super Ted and Spotty have last year?

Last year, Super Ted and Spotty had 179,000 listeners.



339,000 – (125,000 + 25,000) = 189,000

189,000 ÷ 35 = 5,400

10 x 5,400 + 125,000 = 179,000