Problems of the Day

Day 55

Use bar models to solve all of today's problems



1

Tia cycles 90 miles in total on Monday and Tuesday.
On Tuesday she travels half the distance she travels on Monday.
How far does she travel on Monday?

Tia cycles 60 miles on Monday.

2

Charlie has 4 times as much money as Jess.
Filip has £35 more than Jess.
They have £155 in total.
How much money does Filip have?

Filip has £55

3

A pear tree is 50% taller than it was last year.
An apple tree is one fifth taller than it was last year.
The two trees are now the same height.
The height of the pear tree last year was 12 metres.
How tall was the apple tree last year?

The apple tree was 15 m last year.

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THE REALLY HORRIBLE CHALLENGE QUESTION

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THE REALLY HORRIBLE CHALLENGE QUESTION



Use a bar

4 Some animals are put into two fields.

- There are the same total number of animals in each field.
- In the first field there are 40 more sheep than horses
- In the second field there are 24 more horses than sheep.
- $\frac{4}{7}$ of all the animals are sheep.

How many horses are there in each field?

There are 8 horses in the first field and 40 horses in the second field