Problems of the Day

Day 53

Use bar models to solve all of today's problems



1

Two boxes contain the same amount of counters.

- Half of the counters from box A are put into box B
- There are now 72 counters in box B.

How many counters were in box A at the start?



2

Leon cycles the same distance each day.

He cycles 272 km in 4 days.

How far does he cycle in 7 days?



3

The 2nd term of a sequence is 5 more than the 1st term.

The 3rd term is the sum of the first 2 terms.

The 4th term is the sum of the 2nd and 3rd terms.

The sum of the first 4 terms is 237

What is the 3rd term of the sequence?

Go to the next page for...

THE REALLY HORRIBLE CHALLENGE QUESTION

Problems of the Day

Day 53

THE REALLY HORRIBLE CHALLENGE QUESTION



Use a bar

4

Natalie has some red and white roses.

- 80% of the roses Natalie has are white.
- Natalie buys 76 more white roses and 48 more red roses.
- 75% of the roses Natalie has are now white.

How many roses did Natalie have in total at the start?