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?

There were 48 counters 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?

Leon cycles 476 km 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?

The 3rd term of the sequence is 67

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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?

340