

Friday Algebra

This task is about using algebra to solve algebraic maths problems.

On the first Friday of every month Matua Hakopa gets her class to complete an algebra test. There are 50 questions in the test.

On the first Friday, the top score was 4 times as much as the bottom score.

The top score was 48. What was the bottom score?

On the second Friday, the top score was again 48, and the difference between the top and bottom scores was 25.

What was the bottom score on the second Friday?

Which **two** of these equations would help you find the bottom score? (*Choose two*)

$b + 25 = 50$

$25 + b = 48$

$48 = b - 25$

$b - 25 = 50$

$48 - b = 25$

Show or explain how you decided on your answer.