Pan Balance Problems: One Worksheet for Missing Weights

Original tasks 1, 2 / independent work

Task 1

A level balance has an unknown block and a 12 g weight on the left pan. The right pan has a 40 g weight. Find the block's mass.

Task 2

A level balance has three identical unknown blocks on the left pan. The right pan has a 90 g weight. Find the mass of one block.

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Original tasks 3, 4 / independent work

Task 3

A level balance has two identical unknown blocks and a 15 g weight on the left pan. The right pan has a 55 g weight. Find the mass of one block.

Task 4

A level balance has an unknown block and a 25 g weight on the left pan. The right pan has two identical unknown blocks and a 5 g weight. Find the mass of one block.