

National 5 Maths
SQA 2025 Paper 2
Question 10

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Maths.scot



On Bob's lorry there are 7 stacks of paving slabs and 3 stacks of edging blocks.
The total weight of these stacks is 2400 kilograms.

Let p be the weight of a stack of paving slabs and e be the weight of a stack of edging blocks.

(a) Write down an equation in p and e to illustrate this information. 1

Imran has 3 stacks of paving slabs and 4 stacks of edging blocks on his lorry.
The total weight of these stacks is 1300 kilograms.

(b) Write down an equation in p and e to illustrate this information. 1

Beth has 6 stacks of paving slabs and 5 stacks of edging blocks on her lorry.

(c) Calculate the **total weight** of the stacks of paving slabs and edging blocks on Beth's lorry. 4

Answers:

(a) $7p + 3e = 2400$

(b) $3p + 4e = 1300$

(c) $p = 300$ and $e = 100$, so total weight = 2300 kg