

Master Maths 10 Worksheet 31
Simultaneous Equations 2

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Name: _____

1. Solve the following simultaneous equations by choosing the most appropriate method - substitution or elimination.

(a) $2x + 3y = -5$ and $x - 5y = 17$

(b) $3y + 4x = 7$ and $2y - 3x = -18$

2. Three pies and four quiches cost \$36.
Two pies and five quiches cost \$38.
Find the price of a pie and a quiche.

pie

quiche

3. It took four large buckets and eight small buckets to fill a container that held 144 litres.
It took six large buckets and ten small buckets to fill a container that held 200 litres.
What was the capacity of each bucket?

large
bucket

small
bucket