

Learner Assessment: Mixed modelling and checking

Objective: Form a mathematical model, solve it and interpret its limitations.

Calculator condition: Non-calculator core; calculator optional only for checking where labelled.

L092 Mixed modelling and checking



Objective: Form a mathematical model, solve it and interpret its limitations.

Recall

Retrieve the key fact or method needed for mixed modelling and checking.

Core practice

A phone plan costs £12 plus 8p per text. Write a formula and find the cost for 125 texts.

Working: _____

Check/explanation: _____

Reasoning

A rectangle has perimeter 40 cm. Express area in terms of width x and find width for length 12 cm.

Working: _____

Check/explanation: _____

Exam-style

Solve an exam-style problem involving mixed modelling and checking. Show working, include a check and interpret your answer.

Working: _____

Check/explanation: _____