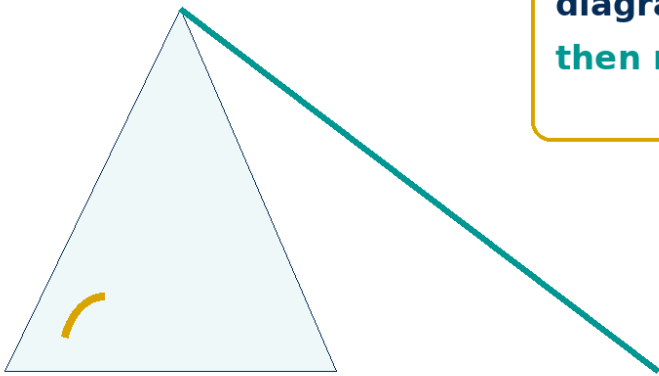


Learner Assessment: Triangle problems and bearings

Objective: Combine triangle methods, scale drawings and bearings appropriately.

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

L071 Triangle problems and bearings



The diagram shows a light blue triangle. The bottom-left side is labeled 'known length' with a yellow arc. The bottom-right side is labeled 'target / check' with a green line. A yellow box in the top right corner contains the text 'diagram first then method'.

Objective: Combine triangle methods, scale drawings and bearings appropriately.

Recall

Retrieve the key fact or method needed for triangle problems and bearings.

Core practice

A traveller goes north 12 km and east 5 km. Find distance and bearing from start to nearest degree.

Working: _____

Check/explanation: _____

Reasoning

A bearing from A to B is 315° . State reverse bearing and explain the 180° change.

Working: _____

Check/explanation: _____

Exam-style

Solve an exam-style problem involving triangle problems and bearings. Show working, include a check and interpret your answer.

Working: _____

Check/explanation: _____