



Teaching The Fundamentals | Level 1 | Bearings and Scale

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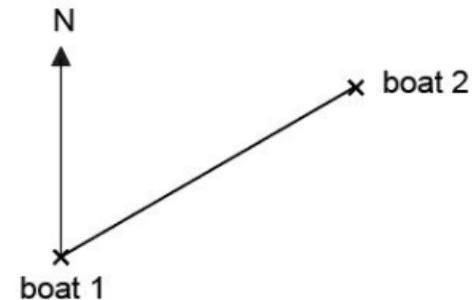
Bearings and Scale

- Measure clockwise from North.
- Answer should be 3 digits (but we are lenient)
- It is obvious many learners guess the angle rather than measure it. (On this questions we saw many answers of 45 degrees.

The scale diagram shows 2 boats on a lake.

(a) What is the bearing of boat 2 from boat 1? **(1)**

Write your answer in the box below.

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Bearings and Scale

- Learners need to be able to understand how to use scale.
- Map to real life equals multiply
- Real life to map equals divide

Tom looks at a map.

1 cm on the map represents 3 km on the ground.

The distance between two cities on the map is 5 cm.

(a) Work out the actual distance between the two cities.

(1)

km

Patricia is a gardener. She is planning a pond and a flower bed in the local park.

The space for the pond will

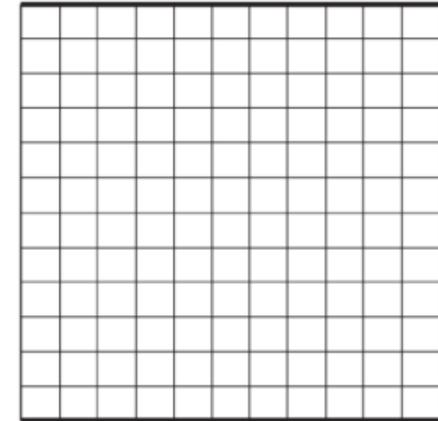
- be in the shape of a rectangle 14 m by 4 m
- have at least 4 m free space all around it.

The space for the flower bed will be

- in the shape of a square with side length 6 m
- at least 2 m from any wall.

Show a space for the pond and a space for the flower bed on the grid.
Remember to use the scale and label each item.

(4)



Key

1 square on the grid is 2 m by 2 m in the park

— wall

Bearings and Scale

- Occasionally learners will need to use bearings and scale in the same question.

Ben is an activity leader.

He is planning a team-building event for a group of people.

Ben has this part of a map.



Diagram drawn accurately

Key: 1 cm on the map is 1000 m on the ground

The group will start at point A and walk directly to point B.

Ben needs to write instructions to give to the group.

The instructions need to include the

- bearing
- distance to be walked.

(a) Write the instructions for the group.

Remember to give units with your answer.

(4)

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