

Resource sheet 1 Does a river change size and speed?

Concept cartoons

I think rivers begin somewhere in the mountains. I think they sometimes get wider and sometimes narrower but I do not think there is a reason why they change.



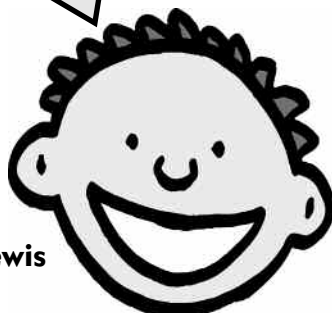
Aaron

Water can't flow uphill. I think it must always go downhill. I think where a river is steep the water will move faster. When a river is flat I am not sure if the water moves much at all.



Marjan

I think most rivers go in the same direction because they go to the sea. Sometimes they are pushed uphill to go over mountains.



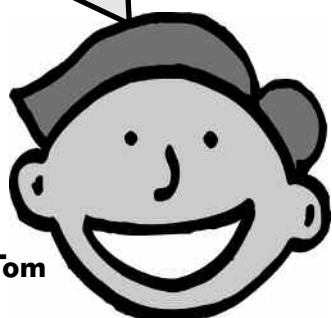
Lewis

Some rivers are big and some rivers are small. I do not think small rivers can become bigger. I do not think rivers go in a straight line. They are higgledy-piggledy and go in different directions.



Rhian

I think that when a river flows towards the sea it will become wider and deeper because other rivers will join it so it must carry more water. I think the speed of the water in the river will always be the same.



Tom

I think the size and speed of a river depends mainly on how much rain there has been. If it has rained a lot the river will become much bigger and faster.



Beth



WORD BANK

wide
deep
fast
steep
direction
bank
stones
sea

Resource sheet 2b Thinking of good questions



WORD BANK

wide
deep
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direction
bank
stones
sea

Resource sheet 3 Investigating a river

My investigation questions:

My ideas on how to find the answers to these questions:

What I think I'll find out and why?

Resource sheet 4 River fieldwork recording sheet

Location A

River width: metres

River depth:

1	2	3	4	5	6	7	8	9	10

Average river depth = ... cm

River Velocity: Time taken for float to carry 10 metres.

Measurement 1	Measurement 2	Measurement 3	Average time

River gradient = ...

Location B

River width: metres

River depth:

1	2	3	4	5	6	7	8	9	10

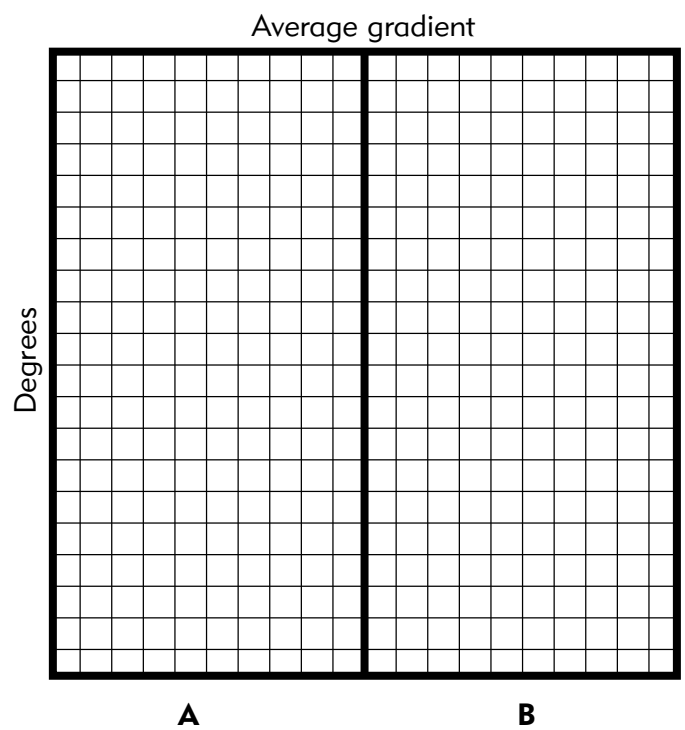
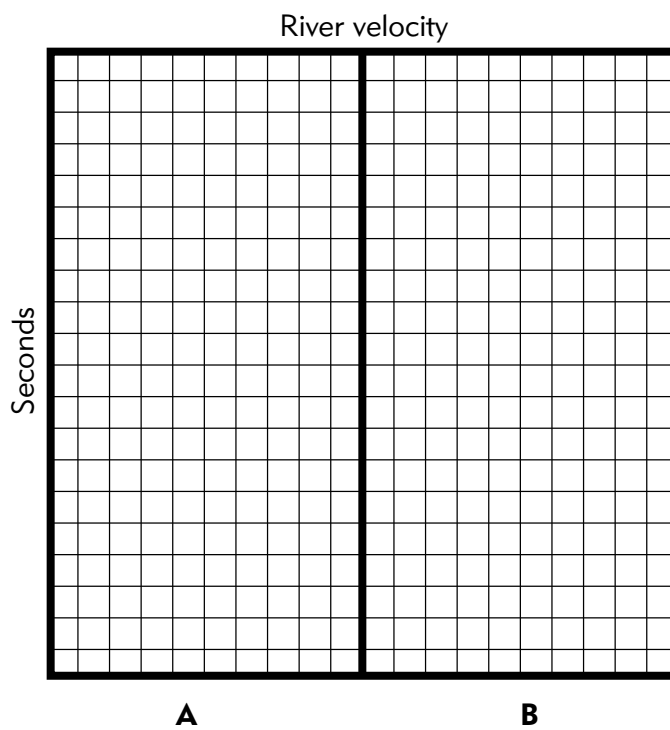
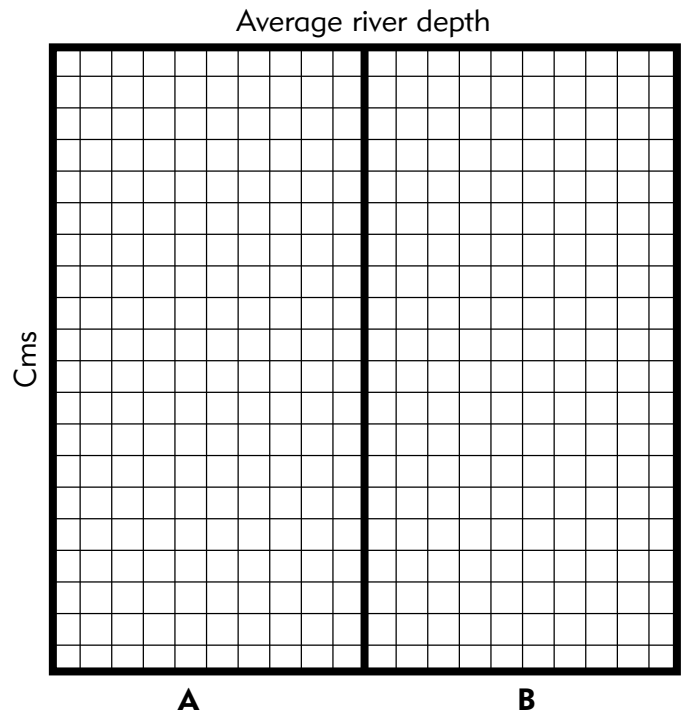
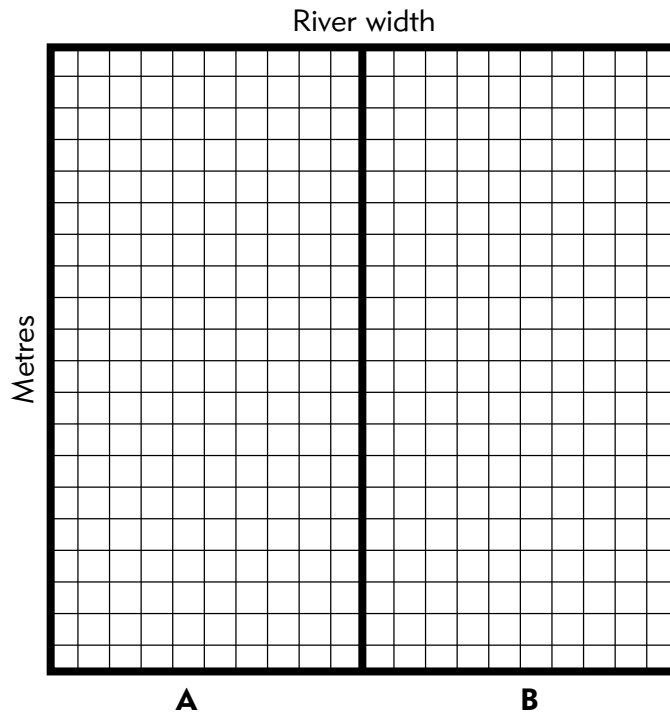
Average river depth = ... cm

River Velocity: Time taken for float to carry 10 metres.

Measurement 1	Measurement 2	Measurement 3	Average time

River gradient = ...

Resource sheet 5 Presenting river fieldwork data



What do the graphs show?

Resource sheet 6 Analysing and reflecting

What I found out:

What new questions have I discovered?