

Name _____

Date _____

Five gardeners each planted one row in the class garden. Each gardener used a different tool and planted something different.

Use the clues to find each gardener's tool and plant.

Clues

- Jack used the wheelbarrow.
- Either Jack or Ivy planted the sunflowers.
- The gardener who used the hoe planted the sunflowers.
- Either Sam planted the pumpkins or Mia used the trowel, but not both.
- Ella used the rake or the shovel.
- Either Mia or Jack planted the peas.
- The gardener who used the trowel planted the beans.
- The gardener who used the shovel planted the tomatoes.

		Tool					Plant				
		wheelbarrow	trowel	hoe	rake	shovel	peas	pumpkins	tomatoes	sunflowers	beans
Name	Ella										
	Ivy										
	Jack										
	Mia										
	Sam										
Plant	peas										
	pumpkins										
	tomatoes										
	sunflowers										
	beans										

Answers

Ella

_____ tool
_____ plant

Ivy

_____ tool
_____ plant

Jack

_____ tool
_____ plant

Mia

_____ tool
_____ plant

Sam

_____ tool
_____ plant

Stuck? Try it and see

Pick an either/or clue and suppose its first half is true. Mark lightly and keep going. If a row or column ends up with no box left, that half was false, so rub out and mark the other half as true.

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The Class Garden

A ● marks a yes and an X marks a no. Every box can be filled in from the clues.

Name	Tool	Plant
Ella	rake	pumpkins
Ivy	hoe	sunflowers
Jack	wheelbarrow	peas
Mia	trowel	beans
Sam	shovel	tomatoes

		Tool					Plant				
		wheelbarrow	trowel	hoe	rake	shovel	peas	pumpkins	tomatoes	sunflowers	beans
Name	Ella	X	X	X	●	X	X	●	X	X	X
	Ivy	X	X	●	X	X	X	X	X	●	X
	Jack	●	X	X	X	X	●	X	X	X	X
	Mia	X	●	X	X	X	X	X	X	X	●
	Sam	X	X	X	X	●	X	X	●	X	X
Plant	peas	●	X	X	X	X					
	pumpkins	X	X	X	●	X					
	tomatoes	X	X	X	X	●					
	sunflowers	X	X	●	X	X					
	beans	X	●	X	X	X					

The try-it-and-see step

Clue 4. Suppose Sam planted the pumpkins. Follow that through the grid and a row or column runs out of boxes, so it cannot be true. That leaves the other half of the clue: Mia used the trowel.