

gridlocks – can you unlock the grid?

Volumetric apparatus




Before you answer the puzzle fill in the table of apparatus by linking the diagrams to the gaps in the table below

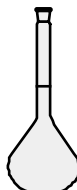


name	drawing	use	common sizes
burette		measure any small volume (often to an end point)	0-25, 0-50 ml
pipette		measure out one volume accurately	10, 25 ml
volumetric flask		make up solution to one volume	100, 250 ml
graduated pipette		measure out any small volume	0-10, 0-25 ml

Gridlock 1

Each row, column and 2 x 2 box contains a burette, pipette, volumetric flask and graduated pipette. Use your problem solving skills and the pictures below to fill in the blank boxes.

name		drawing	
	burette		
			
			volumetric flask
drawing		name	



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Gridlock 2

Each row, column and 2 x 2 box contains a burette, pipette, volumetric flask and graduated pipette.

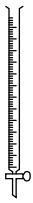



name		use	
pipette			measure any small volume (often to an end point)
			graduated pipette
make up solution to one volume			
use		name	

Gridlock 3

Each row, column and 2 x 2 box contains a burette, pipette, volumetric flask and graduated pipette.

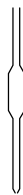







name		common sizes	
pipette			0-25, 0-50 ml
	make up solution to one volume		graduated pipette
use		name	

Volumetric apparatus – answers

name	drawing	use	common sizes
burette		measure any small volume (often to an end point)	0-25, 0-50 ml
pipette		measure out one volume accurately	10, 25 ml
volumetric flask		make up solution to one volume	100, 250 ml
graduated pipette		measure out any small volume	0-10, 0-25 ml

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Gridlock 1 – answers

name		drawing	
volumetric flask	burette		
graduated pipette	pipette		
		graduated pipette	pipette
		burette	volumetric flask
drawing		name	

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Gridlock 2 – answers

name		use	
pipette	volumetric flask	measure out any small volume	measure any small volume (often to an end point)
graduated pipette	burette	measure out one volume accurately	make up solution to one volume
measure any small volume (often to an end point)	measure out one volume accurately	volumetric flask	graduated pipette
make up solution to one volume	measure out any small volume	burette	pipette
use		name	

Gridlock 3 – answers

name		common sizes	
pipette	graduated pipette	100, 250 ml	0-25, 0-50 ml
volumetric flask	burette	0-10, 0-25 ml	10, 25 ml
measure any small volume (often to an end point)	make up solution to one volume	pipette	graduated pipette
measure out any small volume	measure out one volume accurately	burette	volumetric flask
use		name	