## Guidance for tutors

Outcome	S4	Student can consistently:	Dra	aw and ii	nterpret t	two-way	tables.		
How the topic is examined	<ul> <li>Examined through test paper questions.</li> <li>There are two ways in which this topic could be examined:         <ul> <li>Students are given a two way table and they have to complete it or extract information.</li> <li>Alternatively students may be given a list of information and then they have to realise they have to complete a two way table in order to answer the given question.</li> </ul> </li> </ul>								
Prior knowledge	<ul> <li>Students should be confident with:</li> <li>Basic number work.</li> </ul>								
	<ul> <li>Questions where students are ask to find information from a two way table are quite straight forward. It may ask students to fill in missing values.</li> <li>More complicated examples are where students are given a series of statements and they need to realise to create their own table of data.</li> </ul>								
		Question	Solution						
Suggested tuition approaches	A show is made	40 people take part in a show A show is made up of singers, dancers and actors. Here is some information			Students have to realize that the best way to solve this problem is to create a two way table.  The show contains singers, dancers and actors.				
		are 22 males in the show  They can either be male or female.  They can either be male or female.							
		B female singers		Singers	Dancers	Actors	Total		
	Of the 7	7 actors, 2 are male	Male	5	15	2	22		
		cers are in the show?	Female	8	5	5	18		
	How many danc		Total	13	20	7	40		
	So there are 20 dancers in the show.								

©2017 The Access Project Company number: 07473072 | Charity number: 1143011 Registered address: Bastion House, 140 London Wall, London EC2Y 5DN

## Guidance for tutors

	<ul> <li>Some general principles         <ul> <li>The last row and column will provide the totals.</li> <li>The number in the bottom right-hand corner will provide the overall total.</li> </ul> </li> <li>Encourage students to check that all their numbers add up to the totals before working out the question.</li> </ul>
Common errors and misconceptions	<ul> <li>Mistakes can often be made with basic adding up and subtracting particularly if the question is on a non-calculator paper. Encourage students to double check their working out.</li> <li>Students sometimes create the table correctly but don't go on to answer the specific question that is asked.</li> </ul>
Suggested resources	<ul> <li>Questions         <ul> <li>http://www.cimt.org.uk/projects/mepres/allgcse/bkb8.pdf (pp 95 - 98)</li> <li>https://corbettmaths.files.wordpress.com/2013/02/two-way-tables-pdf.pdf</li> </ul> </li> <li>Past GCSE Questions         <ul> <li>https://keshgcsemaths.files.wordpress.com/2013/11/45 two-way-tables2.pdf</li> </ul> </li> <li>Video tutorial         <ul> <li>http://corbettmaths.com/2012/08/10/two-way-tables/</li> </ul> </li> </ul>