## TWO WAY TABLES AND STEM AND LEAF **Statistics**

## **Key Concepts**

Two way tables are used to tabulate a number of pieces of information.

Probabilities can be formulated easily from two way tables.

Stem and leaf diagrams are used to order and organise data. A key must be included.

Averages can be found easily from stem and leaf diagrams.

🔁 MathsWatch

61, 128b

Here are the times, in mi 5 10 15 12 4 20 33 15 24 1 Draw a stem and b	Example a puzzle. 8 7 20 35 24 15 10 8 10 20 16 10 eaf diagram:	amples 0 children wo ondon or to ` 3 boys and 1 o York.	ent on a sch York. 9 girls went	ool trip. <sup>-</sup> to Londo	They went on. 14 boys	to went	
0 5 7 8 8			London	York	Tot	al	
1 0 0 0 0	2 5 5 5 6	Girls	19	24	43	3	
2 0 0 0 4	4	Boys	23	14	37	37	
3 3 5	$\begin{bmatrix} V_{0} & V_{1} & 2 \end{bmatrix} = \begin{bmatrix} A & -2A \end{bmatrix}$	Total	42	38	80	)	
Calculate the med State the mode = Calculate the rang	dian value = 15 10 ge = 35 - 5 = 30	random wer If a girl is cho went to York	it to London osen, what i $(? \frac{24}{38})$	$\frac{42}{80}$ s the prob	bability tha	it she	
Key Words	1) Here are the speeds, in mile cars.	s per hour, of 1	L6 2) Comp	lete the tw	vo way table:		
Two way table	31 52 43 49 36 35	33 29		9	10 11	1 0 ( a 1	
Stem and leaf	54 43 44 46 42 39	) 55 48 Jeaf diagram fr	Boys		125	407	
Mode	these speeds.		Girls	202	123	021	
Median Probability	b) Calculate the median, mode and range					831	
Frobability		9	82 = 98n61 ,64 :	= əbom ,54	= nsib9m (d (l	r:SAJWSN	