Estimating the mean from a grouped frequency table

Name:



							V			hool.co.ul
	culate an estin	nate for the	mean of the	e following set	s of dat	data: NB: Table space is usually given				
a)	No. of Pets	Frequency	Midpoint	fx	b)	Shoe size	Frequency	Midpoir	nt <i>fx</i>	
	$0 < x \le 2$	6				$1 < x \le 3$	6			
	$2 < x \leq 4$	3				$3 < x \le 5$	4			
	$4 < x \leq 6$	2				$5 < x \le 7$	7			
	$6 < x \le 8$	1				$7 < x \leq 9$	10			
) <u>.</u>					$\langle \rangle$					
c)	Age	Frequency			d)	Wins	Frequency			
	0 < <i>x</i> ≤ 2	5				$0 < x \le 6$	7	1		
	$2 < x \leq 4$	10				6 < <i>x</i> ≤ 12	8]		
	$4 < x \leq 6$	8				$12 < x \le 18$	10]		
	$6 < x \le 8$	6				18 < <i>x</i> ≤ 24	2]		
	$8 < x \le 10$	8				24 < <i>x</i> ≤ 30	7	1		
	$10 < x \le 12$	4				$30 < x \le 36$	6			
<u>)</u>					$\langle \rangle$			7		•••••••••••••••••••••••••••••••••••••••
d)	Weight (kg)				e)	Height (cm)	Frequency			
	$10 < x \le 16$	7				10 < <i>x</i> ≤ 12	10			
	$16 < x \le 22$	12				$12 < x \le 14$	14			
	$22 < x \le 28$	8				$14 < x \le 16$	8			
	$34 < x \le 40$	10				16 < <i>x</i> ≤ 18	5			
	$40 < x \le 46$	3				18 < <i>x</i> ≤ 20	3			
	$46 < x \le 52$	5				$20 < x \le 22$	4			
<u> </u>					./\					
[€ E	Exam question:			Time (m)	Freq	uency)0(er, 1	Т. т C
	50 painters painted a wall. The time			$0 < x \le 10$)	3		ا.تط	4	4 .7.6
	they took in minutes was recorded.				0 1	12		1363	i, Igi	្រុករ
	The table shows the results.				0 2	20		• 👫	MATHS-SCI	001
	Calculate an estimate for mean				0 1	LO		25		
	time taken for painters to paint				0	3			<u> </u>	
	the wall.	L	1	$50 < x \le 6$	0	2			ч. P	2 L T