IGCSE - Ratio/percentages/time/exchange rates/speed

Oct 03 Paper 4

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1	A train	starts its journey with 240 passengers.	
		the passengers are adults and the rest are children.	[2]
	(a) W	rite the ratio Adults: Children in its lowest terms.	[2]
	(b) A	the first stop, $37\frac{1}{2}$ % of the adults and $\frac{1}{3}$ of the children get off the train.	
	20	adults and x children get onto the train. The total number of passengers on the train is now 200.	
			[1]
	(i)		[1]
		i) How many adults got off the train?	[1]
		ii) How many adult passengers are on the train as it sets off again?	[1]
		v) What is the value of x ?	-
	(c) A	after a second stop, there are 300 passengers on the train and the ratio	
-		Men: Women: Children is 6:5:4.	[2]
		Calculate the number of children now on the train.	(-)
	(d) (On Tuesday the train journey took 7 hours and 20 minutes and began at 13 53.	
		i) At what time did the train journey end?	[1]
	Y	Tuesday's time of 7 hours 20 minutes was 10% more than Monday's journey time.	[0]
	•	How many minutes longer was Tuesday's journey?	[2]
		ct 05 Paper 4 panish family went to Scotland for a holiday.	
		The family bought 800 pounds (£) at a rate of £1 = 1.52 euros (€). How much did this cost in euros?	[1]
	(h)	The family returned home with £118 and changed this back into euros.	
	(6)	They received $\in 173.46$.	[1]
		Calculate how many euros they received for each pound.	
	(c)	A toy which costs €11.50 in Spain costs only €9.75 in Scotland. Calculate, as a percentage of the cost in Spain, how much less it costs in Scotland.	[2]
	(d)	The total cost of the holiday was €4347.00. In the family there were 2 adults and 3 children.	
		The cost for one adult was double the cost for one child.	[2]
		Calculate the cost for one child.	r3
	(e)	The original cost of the holiday was reduced by 10% to €4347.00. Calculate the original cost.	[2]
	(f)	The plane took 3 hours 15 minutes to return to Spain. The length of this journey was 2350 km. Calculate the average speed of the plane in	
			[2]
		(i) kilometres per hour,	[1]
		(ii) metres per second.	[.]