

Name: _____ Date: _____

Division ThHTO ÷ O with a decimal remainder

Use the formal written method of short division to calculate ThHTO ÷ O (decimal remainder)

The car showroom is having a sale. On the back of this sheet write the answer to each of the word problems. Record any remainders as a decimal.



£6789



£7889



£9138



£9768



£8765

Example

$2376 \div 5 \rightarrow 2500 \div 5 = 500$

	Th	H	T	O	·	t	h
		4	7	5	·	2	
5	2	3	7	6	·	0	

a Mark buys the car costing £8765. He pays for it in 6 equal monthly payments. How much does he pay per month?

b Sarah bought her car at a cost of £7889. She paid in 9 equal monthly payments. How much did she pay per month?

c The Pattern family bought two cars for a total cost of £17 903. Which two cars did they purchase? What is the difference between the cost of both cars?

d Rajeev bought the car that costs £9138. However as he paid for it in full, he received a 25% discount. How much did he pay for the car?

e Mrs Ryan bought her car for £9768. She paid 6 equal monthly payments. She had to pay an additional interest cost of one-tenth of each monthly payment. How much did she pay per month?

f Mr Turner bought his car for £8765. He paid 8 equal monthly payments. He had to pay an additional interest cost of one-quarter of each monthly payment.

i How much did he pay per month?

ii What did the car cost in total after interest payments were added?