

Partial Quotients Division

Find an easy multiple of the divisor and subtract from the dividend.
Repeat until the number is less than the divisor or you reach zero.

	32,921 r 2			
divisor — 3	98,765		multipliers	
dividend	- 90,000	3 ×	30,000	
	8,765			

Another way

This solution uses smaller and more multiples to find the quotient.

	32,921 r 2
3	98,765



Preview

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	5			
	- 3		3 ×	1
remainder —	2			

	1,265	
	- 1,200	3 × 400
	65	
	- 60	3 × 20
	5	
	- 3	3 × 1
	2	

$$30,000 + 2,000 + 900 + 20 + 1 = 32,921$$

Add up the multipliers of the divisor to find the quotient.

32,921

Add the multiples to find the quotient.