

Partial Quotients Division

Example

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.

divisor	2, 2 8 3	r 1
2	4, 5 6 7	dividend
-	4, 0 0 0	$2 \times 2,000$
	5 6 7	
-	4 0 0	2×200
	1 6 7	
-	1 6 0	2×80

Solve using partial quotients.

a.

8	5, 9 7 1
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b.

5	9, 1 7 3
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Preview

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Partial Quotients Division

Work will vary.

Solve using partial quotients.

a. $746 \text{ r } 3$

8	5,971	
-	5,600	8×700
	371	

b. $1,834 \text{ r } 3$

5	9,173	
-	5,000	$5 \times 1,000$
	4,173	

Preview

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$$1,000 + 900 + 50 + 5 = 1,955$$

$$2,000 + 800 + 10 + 4 = 2,814$$