

# 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

|   |   |   |   |            |
|---|---|---|---|------------|
| 1 | 3 | 1 | r | 3          |
| 6 | 7 | 8 | 9 | ← dividend |
| - | 6 | 0 | 0 | = 6 × 100  |
|   | 1 | 8 | 9 |            |
| - | 1 | 8 | 0 | = 6 × 30   |
|   |   |   | 9 |            |
| - | 6 |   |   | = 6 × 1    |

Solve using partial quotients.

a.

|   |   |   |   |
|---|---|---|---|
| 8 | 7 | 1 | 6 |
|---|---|---|---|

b.

|   |   |   |   |
|---|---|---|---|
| 5 | 8 | 4 | 9 |
|---|---|---|---|



# Preview

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## Partial Quotients Division

Work will vary.

Solve using partial quotients.

a.  $8 \overline{) 894} \text{ r } 4$

|   |   |   |   |  |
|---|---|---|---|--|
| 8 | 7 | 1 | 6 |  |
| - | 6 | 4 | 0 |  |
|   | 7 | 6 |   |  |

$8 \times 80$

b.  $5 \overline{) 1694} \text{ r } 4$

|   |   |   |   |  |
|---|---|---|---|--|
| 5 | 8 | 4 | 9 |  |
| - | 5 | 0 | 0 |  |
|   | 3 | 4 | 9 |  |

$5 \times 100$

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