

# 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

8  $\overline{)76,543}$

dividend

9,567r7

multipliers

8 × 9,000

8 × 500

8 × 60

72,000

4,543

4,000

543

480

Solve using partial quotients.

a.

$$7 \overline{)45,678}$$

b.

$$4 \overline{)61,234}$$



# Preview

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## Partial Quotients Division

Work will vary.

Solve using partial quotients.

a.

$$\begin{array}{r}
 6,525r3 \\
 7 \overline{) 45,678} \\
 \underline{-42,000} \quad 7 \times 6,000 \\
 3,678
 \end{array}$$

b.

$$\begin{array}{r}
 15,308r2 \\
 4 \overline{) 61,234} \\
 \underline{-40,000} \quad 4 \times 10,000 \\
 21,234
 \end{array}$$

# Preview

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3

15,639

1

28,664