

# Partial Quotients Division

## Examples

Find an easy multiple of the divisor and subtract from the dividend. Repeat until you reach zero.

$$\begin{array}{r}
 124 \\
 6 \overline{) 744} \\
 \underline{-600} \\
 144 \\
 \underline{-120} \\
 24 \\
 \underline{-24} \\
 0
 \end{array}$$

divisor → 6  
dividend → 744

multipliers

$$\begin{array}{l}
 6 \times 100 \\
 6 \times 20 \\
 6 \times 4
 \end{array}$$

$$100 + 20 + 4 = 124$$

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

$$\begin{array}{r}
 139 \\
 5 \overline{) 695} \\
 \underline{-500} \\
 195 \\
 \underline{-150} \\
 45 \\
 \underline{-45} \\
 0
 \end{array}$$

divisor → 5  
dividend → 695

multipliers

$$\begin{array}{l}
 5 \times 100 \\
 5 \times 30 \\
 5 \times 9
 \end{array}$$

$$100 + 30 + 9 = 139$$

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

Solve using partial quotients.



# Preview

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a.

$$5 \overline{) 685}$$

b.

$$4 \overline{) 384}$$

c.

$$2 \overline{) 764}$$

## Partial Quotients Division

Work will vary.

Solve using partial quotients.

a.  $83 \leftarrow$   
 $6 \overline{)498}$

b.  $287 \leftarrow$   
 $3 \overline{)861}$

c.  $109 \leftarrow$   
 $9 \overline{)981}$

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