

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 →	3	458	-	300	=	3 × 100
dividend		158	-	150	=	3 × 50
		8	-	6	=	3 × 2
		2				

152 r 2

multipliers

$100 + 50 + 2 = 152$

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

Solve using partial quotients.

a.

$$7 \overline{) 696}$$



Preview

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the printable version of this worksheet.

e.

$$5 \overline{) 652}$$

f.

$$6 \overline{) 583}$$

g.

$$3 \overline{) 788}$$

Partial Quotients Division

Work will vary.

Solve using partial quotients.

a.

$$\begin{array}{r}
 99r3 \\
 7 \overline{) 696} \\
 \underline{-630} \quad 7 \times 90 \\
 66
 \end{array}$$

Preview

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$$100 + 30 = 130$$

$$90 + 7 = 97$$

$$\begin{array}{r}
 -6 \\
 \underline{\quad} \\
 2
 \end{array}
 \quad 3 \times 2$$

$$200 + 60 + 2 = 262$$