

NAME _____

Area Model Division

Area models are often used to multiply numbers, but they can also help you divide. You can use your knowledge of multiplication to create partial quotients. Complete the area models to find the quotient for each division problem below.

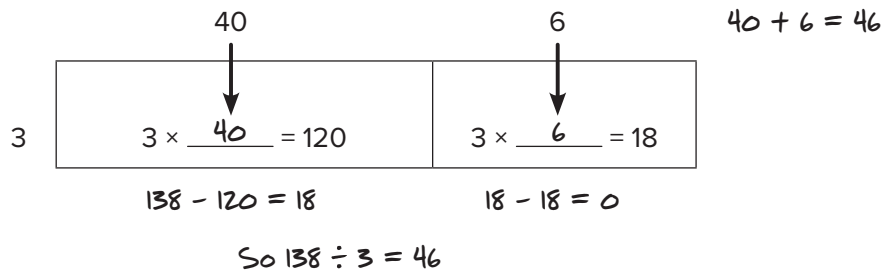
Example:

$$138 \div 3 = ?$$

Step 1: Start with the largest or friendliest multiple of the divisor that you know can be subtracted from the dividend ($3 \times 40 = 120$). Write this in the first section of the area model.

Step 2: Subtract the partial quotient from your dividend ($130 - 120 = 10$). Then find the largest multiple that can be subtracted from the remainder of your dividend ($3 \times 6 = 18$). Write this in the next section of the area model.

Step 3: Add the partial quotients together to find the final quotient ($40 + 6$).



1. $369 \div 9 =$

□	□
$9 \times \underline{\quad} = 360$	$9 \times \underline{\quad} = 9$

3. $192 \div 6 =$

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2. $175 \div 7 =$

□	□
$7 \times \underline{\quad} = \underline{\quad}$	$7 \times \underline{\quad} = \underline{\quad}$

4. $384 \div 4 =$

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