## Topic C Quiz Prep (Lessons 12 - 16)

Item 1: Divide:
$6,600 \div 40$
You can solve this using any method you are most comfortable with. Here are two methods.



Item 2: Consider the Model:


Area Models can be used to multiply. They can also be used to divide.
This area model shows $\mathbf{3 4 \times 2 9 = 9 8 6}$
$680+306=968$
The same area model can show the inverse. $\mathbf{9 6 8 \div \mathbf { 3 4 } \mathbf { = 2 9 } 9}$

34 is the divisor
$680+306=986$ is the dividend
$20+9=29$ is the quotient

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Item 3: Complete the tape diagram to show the quotient.

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Tape diagrams are visual representations of division problems. The long rectangle represents the dividend (the total amount being divided). The number on the left of the box is the divisor.

The best place to start is by estimating.
$\mathbf{3 8 5} \div 53 \quad 400 \div 50=8$
This tells us that we will need to divide this rectangle in ABOUT 8 equal pieces of 50 .

Next, do the actual division problem and find the quotient. That will tell you how many boxes to draw.

## Item 4: Estimating the Quotient

For each expression, estimate the quotient. Make a mental math problem. Then tell whether the quotient is less than 10 or greater than 10.
$\underline{420} \div \underline{60}=7 \quad$ less than 10
$\underline{990} \div \underline{30}=33 \quad$ greater than 10
$\underline{720} \div \underline{60}=12 \quad$ greater than 10

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Item 5: Divide:

$843 \div 51$

Quotient: 16
Remainder: 27


## Item 6: Word Problem:

Mr. Briganti has 3,400 Lego blocks. There are 26 students in the Lego Club.
Each student gets the same number of Lego blocks.

How many Lego blocks does each student get? How many Lego blocks are left over?

Each student gets $\qquad$ Lego blocks.
There are $\qquad$ Lego blocks left over.
$3,400 \div 26$
Quotient: 130
Remainder: 20

