| MT | Learning Goals by Measurement Topic (MT) <br> Students will be able to . . |
| :---: | :---: |
|  | - use equations ( number sentences with an equal sign), rectangular arrays, or area models to divide a 4-digit number by a 2 -digit number. <br> - use strategies based on place value, properties of operations, and the relationship between multiplication and division to estimate for solving division problems. <br> - reason about the relationships among dividends, divisors, and quotients. <br> Examples: <br> - solve problems involving four operations (,,$+- \times, \div$ ). |


| Thinking and Academic Success Skills (TASS) |  |  |
| :--- | :--- | :--- | :--- |
|  | It is . . | In mathematics, students will... |

## Fifth Grade Mathematics Newsletter

Marking Period 2，Part 1

## Learning Experiences by Measurement Topic（MT）

| MT | 寿 | 䦭㫛 At home，your child can ．． |
| :---: | :---: | :---: |
| Number and Operations in Base Ten | －use area models and equations to solve a multi－digit division problem（4－digit number by 2－digit number）． <br> Example：Use a ten－thousand grid to solve $1,786 \div 40=44 \frac{26}{40}$ <br> Remainder 26 <br> Note：This is a portion of a ten－thousand grid | －practice solving multiplication and division problems using mental math to develop skills to solve more difficult problems． <br> Example： $4 \times 8=32$ $\begin{aligned} & 40 \times 80=3,200 \\ & 3,200 \div 40=80 \end{aligned}$ <br> Possible question to support metacognition：How does knowing $4 \times 8$ help to solve $3,200 \div 40$ ？ <br> －estimate the quotient using knowledge of place value． <br> Websites to support learning（about division using estimation）： http：／／illuminations．nctm．org／ActivityDetail．aspx？ID＝224 <br> －estimate and solve 4－digit by 2－digit division problems using an area model to show the relationship between multiplication and division． Example：There are 3529 seats in a stadium．There are 40 sections．How seats are in each section？ <br> Area Model Drawing for Division $\begin{aligned} & 3,529 \div 40=88 R 9 \\ & 3,529 \div 40=88 \frac{9}{40} \end{aligned}$ <br> 9 <br> Websites to support learning（about area models）： <br> http：／／learnzillion．com／lessons／552－divide－4digit－dividends－by－2digit－ divisors－by－using－an－area－model |

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Marking Period 2, Part 1

