NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ HOMEROOM #: \_\_\_\_\_ POINTS: \_\_\_\_

**MATH HOMEWORK: Monday, September 9 (Due on Tuesday)**

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| **COMPUTATION:** Please do NOT use a calculator. We cannot use a calculator to solve any math problems in 5th grade! Write the answer to each multiplication problem below it on the line.  **A)** If 4 x 10 = 40 and 6 x 10 = 60, then 10 x 10 = \_\_\_\_\_\_\_\_\_\_  **B)** 65 x 20 = 65 x 2 x \_\_\_\_\_\_\_  **C)** 81 x 30 = 81 x 3 x \_\_\_\_\_\_\_\_  **D)** 29 x 200 = 29 x 2 x \_\_\_\_\_\_\_\_\_  **E)** If 65 x 2 = 130, then 65 x 20 = \_\_\_\_\_\_\_\_\_\_\_\_  **F)** If 81 x 3 = 243, then 81 x 300 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **G)** 99 x 10 = \_\_\_\_\_\_\_\_\_\_\_\_ 99 x 100 = \_\_\_\_\_\_\_\_\_\_\_\_ 99 x 1000 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

**SOLVE USING ARRAY MODELS. WRITE THE EQUATIONS BELOW USING THE EXPRESSIONS IN THE ARRAY.**

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| **H)** 27 x 4  **EQUATION**: (\_\_\_ x \_\_\_) + (\_\_\_ x \_\_\_) = \_\_\_\_\_\_\_\_ | **H)** 362 x 5  **EQUATION**: (\_\_\_ x \_\_\_) + (\_\_\_ x \_\_\_) + (\_\_\_ x \_\_\_)    = \_\_\_\_\_\_\_ |
| **H)** 18 x 53  **EQUATION**:  (\_\_\_ x \_\_\_) + (\_\_\_ x \_\_\_) + (\_\_\_ x \_\_\_) + (\_\_ x \_\_)  = \_\_\_\_\_\_\_\_ | **H)** 74 x 36  **EQUATION**:  (\_\_\_ x \_\_\_) + (\_\_\_ x \_\_\_) + (\_\_\_ x \_\_\_) + (\_\_ x \_\_)  = \_\_\_\_\_\_\_\_ |

NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ HOMEROOM #: \_\_\_\_\_ POINTS: \_\_\_\_

**MATH HOMEWORK: Tuesday, September 10 (Due on Wednesday)**

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| **ESTIMATION:** Use estimation to solve. CIRCLE YOUR ANSWER.  **A)** 12 x 18 = \_\_\_\_\_\_\_ A) more than 400 B) about 200 C) about 300 D) less than 100  HOW DO YOU KNOW? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **B)** 23 x 41 = \_\_\_\_\_\_\_ A) more than 1000 B) about 400 C) about 800 D) less than 600  HOW DO YOU KNOW? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **CIRCLE THE EXPRESSION THAT HAS THE GREATER PRODUCT. IF THE PRODUCTS ARE EQUAL, CIRCLE BOTH EXPRESSIONS.**  **C)** 60 x 40 5 x 50 How do you know? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **D)** 40 x 20 200 x 4 How do you know? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **E)** 300 x 20 100 x 40 How do you know? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

**SOLVE USING ARRAY MODELS. WRITE THE EQUATIONS BELOW USING THE EXPRESSIONS IN THE ARRAY.**

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| **H)** 39 x 3  **EQUATION**: (\_\_\_ x \_\_\_) + (\_\_\_ x \_\_\_) = \_\_\_\_\_\_\_\_ | **H)** 178 x 4  **EQUATION**: (\_\_\_ x \_\_\_) + (\_\_\_ x \_\_\_) + (\_\_\_ x \_\_\_)    = \_\_\_\_\_\_\_ |
| **H)** 94 x 21  **EQUATION**:  (\_\_\_ x \_\_\_) + (\_\_\_ x \_\_\_) + (\_\_\_ x \_\_\_) + (\_\_ x \_\_)  = \_\_\_\_\_\_\_\_ | **H)** 56 x 54  **EQUATION**:  (\_\_\_ x \_\_\_) + (\_\_\_ x \_\_\_) + (\_\_\_ x \_\_\_) + (\_\_ x \_\_)  = \_\_\_\_\_\_\_\_ |

NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ HOMEROOM #: \_\_\_\_\_ POINTS: \_\_\_\_

**MATH HOMEWORK: Wednesday, September 11 (Due on Thursday)**

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| **ORDER OF OPERATIONS:** When you have more than one operation in an equation, you must use the order of operations to solve the problem. For each problem below, underline the expression you will be solving (and solve it). Then bring everything else down and continue this pattern until you have solved the entire problem.  **A)** 50 - 8 + 9 x 3 = **B)** 50 ÷ (5 x 10) + 16 = **C)** 14 + 30 ÷ 6 x 3 = |
| **ESTIMATION:** Use estimation to solve. CIRCLE YOUR ANSWER.  **D)** 39 x 13 = \_\_\_\_\_\_\_ A) more than 400 B) about 200 C) about 300 D) less than 100  HOW DO YOU KNOW? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **E)** 19 x 29 = \_\_\_\_\_\_\_ A) more than 1000 B) about 700 C) about 800 D) less than 600  HOW DO YOU KNOW? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **CIRCLE THE EXPRESSION THAT HAS THE GREATER PRODUCT. IF THE PRODUCTS ARE EQUAL, CIRCLE BOTH EXPRESSIONS.**  **F)** 30 x 80 6 x 90 How do you know? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **G)** 40 x 30 600 x 2 How do you know? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **H)** 400 x 50 900 x 40 How do you know? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

**SOLVE USING ARRAY MODELS. WRITE THE EQUATIONS BELOW USING THE EXPRESSIONS IN THE ARRAY.**

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| **I)** 75 x 32  **EQUATION**:  (\_\_\_ x \_\_\_) + (\_\_\_ x \_\_\_) + (\_\_\_ x \_\_\_) + (\_\_ x \_\_)  = \_\_\_\_\_\_\_\_ | **J)** 89 x 30  **EQUATION**:  (\_\_\_ x \_\_\_) + (\_\_\_ x \_\_\_) + (\_\_\_ x \_\_\_) + (\_\_ x \_\_)  = \_\_\_\_\_\_\_\_ |

NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ HOMEROOM #: \_\_\_\_\_ POINTS: \_\_\_\_

**MATH HOMEWORK: Thursday, September 12 (Due on Friday)**

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| **ORDER OF OPERATIONS:** When you have more than one operation in an equation, you must use the order of operations to solve the problem. For each problem below, underline the expression you will be solving (and solve it). Then bring everything else down and continue this pattern until you have solved the entire problem.  **A)** 80 - (10 + 5 x 4) = **B)** 200 - 21 ÷ 3 + 40 = **C)** 8 x (15 - 12) + 129 = |
| **ESTIMATION:** Use estimation to solve. CIRCLE YOUR ANSWER.  **D)** 12 x 29 = \_\_\_\_\_\_\_ A) more than 400 B) about 200 C) about 300 D) less than 100  HOW DO YOU KNOW? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **E)** 99x 4 = \_\_\_\_\_\_\_ A) more than 1000 B) about 400 C) about 800 D) less than 600  HOW DO YOU KNOW? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **CIRCLE THE EXPRESSION THAT HAS THE GREATER PRODUCT. IF THE PRODUCTS ARE EQUAL, CIRCLE BOTH EXPRESSIONS.**  **F)** 20 x 50 30 x 40 How do you know? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **G)** 7 x 80 70 x 8 How do you know? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **H)** 300 x 7 30 x 70 How do you know? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

**SOLVE USING ARRAY MODELS. WRITE THE EQUATIONS BELOW USING THE EXPRESSIONS IN THE ARRAY.**

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| **I)** 86 x 52  **EQUATION**:  (\_\_\_ x \_\_\_) + (\_\_\_ x \_\_\_) + (\_\_\_ x \_\_\_) + (\_\_ x \_\_)  = \_\_\_\_\_\_\_\_ | **J)** 73 x 19  **EQUATION**:  (\_\_\_ x \_\_\_) + (\_\_\_ x \_\_\_) + (\_\_\_ x \_\_\_) + (\_\_ x \_\_)  = \_\_\_\_\_\_\_\_ |