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

**MATH HOMEWORK: Monday, September 16 (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)** 12 x 3 x 10 = \_\_\_\_\_\_\_\_\_\_\_\_\_**B)** 6 x (10 + 4) = (6 x \_\_\_) + (6 x \_\_\_) = \_\_\_\_\_\_\_**C)** 50 x 300 = \_\_\_\_\_\_\_\_\_\_\_\_\_**D)** 6 x 7 x 100 = \_\_\_\_\_\_\_\_\_\_\_**E)** 10³ = \_\_\_\_ x \_\_\_\_ x \_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_**F)** 7² = \_\_\_\_ x \_\_\_\_ = \_\_\_\_\_\_**G)** 12 x 2 x 10 x 10 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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

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| **H)** 35 x 6 **EQUATION**: (\_\_\_ x \_\_\_) + (\_\_\_ x \_\_\_) = \_\_\_\_\_\_\_\_ | **H)** 408 x 4 **EQUATION**: (\_\_\_ x \_\_\_) + (\_\_\_ x \_\_\_) + (\_\_\_ x \_\_\_)   = \_\_\_\_\_\_\_ |
| **H)** 71 x 72 **EQUATION**:(\_\_\_ x \_\_\_) + (\_\_\_ x \_\_\_) + (\_\_\_ x \_\_\_) + (\_\_ x \_\_) = \_\_\_\_\_\_\_\_ | **H)** 92 x 28 **EQUATION**:(\_\_\_ x \_\_\_) + (\_\_\_ x \_\_\_) + (\_\_\_ x \_\_\_) + (\_\_ x \_\_) = \_\_\_\_\_\_\_\_ |

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

**MATH HOMEWORK: Tuesday, September 17 (Due on Wednesday)**

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| **STORY PROBLEMS:** Read each problem carefully. Decide which operation you want to use to solve the problem. SHOW YOUR WORK. LABEL YOUR ANSWER!**A)** There are 30 teams in your basketball league. Half of the teams have 20 players each. The other half of the teams have 15 players each. HOW MANY PLAYERS ARE IN YOUR BASKETBALL LEAGUE?**B)** You enter the cafeteria and observe there are 12 tables. Each table has 8 chairs. There is also a closet in the cafeteria that has 55 chairs. How many chairs are in the cafeteria?**C)** You are on the gardening team at school. You go outside to the garden and notice that there are 5 rows of tomato plants. The first row contains 125 tomatoes. The second row has ten more tomatoes than row one. The third row contains two times as many tomatoes than row one. The fourth row has 200 tomatoes. The fifth row contains 99 tomatoes. How many tomatoes are in the garden?**D)** You are on the stagehand team at Brown. You report to the gym where there are 64 boxes. Each box holds 25 books. How many books are in the gym? |

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

**MATH HOMEWORK: Wednesday, September 18 (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) (**90 - 8 x 9) x 3 = **B)** 50 ÷ (1 x 5) + 19 = **C)** 16 + 42 ÷ 6 x 2 =  |
| **ESTIMATION:** Use estimation to solve. CIRCLE YOUR ANSWER.**D)** 49 x 19 = \_\_\_\_\_\_\_ A) more than 1500 B) about 1000 C) about 800 D) less than 500HOW DO YOU KNOW? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**E)** 56 x 32 = \_\_\_\_\_\_\_ A) less than 1500 B) about 1200 C) about 1000 D) about 1800HOW DO YOU KNOW? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**CIRCLE THE EXPRESSION THAT HAS THE GREATER PRODUCT. IF THE PRODUCTS ARE EQUAL, CIRCLE BOTH EXPRESSIONS.****F)** 20 x 50 2 x 500 How do you know? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**G)** 80 x 20 40 x 40 How do you know? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**H)** 7 x 50 70 x 5 How do you know? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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

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| **I)** 82 x 47 **EQUATION**:(\_\_\_ x \_\_\_) + (\_\_\_ x \_\_\_) + (\_\_\_ x \_\_\_) + (\_\_ x \_\_) = \_\_\_\_\_\_\_\_ | **J)** 99 x 99 **EQUATION**:(\_\_\_ x \_\_\_) + (\_\_\_ x \_\_\_) + (\_\_\_ x \_\_\_) + (\_\_ x \_\_) = \_\_\_\_\_\_\_\_ |

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

**MATH HOMEWORK: Thursday, September 19 (Due on Friday)**

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| **SOLVE. Write a fraction for the remainder.****7 ÷ 3 = \_\_\_\_\_\_\_\_** | **SOLVE. Write a fraction for the remainder.****11 ÷ 2 = \_\_\_\_\_\_\_\_** | **SOLVE. Write a fraction for the remainder.****13 ÷ 4 = \_\_\_\_\_\_\_\_** | **SOLVE. Write a fraction for the remainder.****9 ÷ 5 = \_\_\_\_\_\_\_\_** |

**READ EACH STORY PROBLEM. CIRCLE WHICH OPERATION YOU ARE GOING TO USE. THEN SOLVE THE PROBLEM. WRITE THE ANSWER TO EACH PROBLEM IN A COMPLETE SENTENCE.**

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| **5) A teacher ordered 60 boxes of pencils. Each box holds 44 pencils. How many total pencils did the teacher order? Circle One: Addition Subtraction Multiplication Division** **NOW SOLVE:****ANSWER: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
| **6) A teacher ordered three boxes of pencils. One box holds 250 pencils. A second box holds 195 pencils. A third box holds 168 pencils. How many total pencils did the teacher order?**  **Circle One: Addition Subtraction Multiplication Division** **NOW SOLVE:****ANSWER: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
| **7) A teacher ordered 300 pencils. She wishes to place an equal amount of pencils into 10 bags. How many pencils should be placed in EACH bag?**  **Circle One: Addition Subtraction Multiplication Division** **NOW SOLVE:****ANSWER: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
| **8) A teacher ordered 200 pencils. He shared 85 pencils with another teacher. How many pencils does the teacher who ordered the pencils now have?**  **Circle One: Addition Subtraction Multiplication Division** **NOW SOLVE:****ANSWER: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |

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| **9) WHAT IS THE QUOTIENT OF 100 and 10?** | **10) WHAT IS THE QUOTIENT OF 50 and 2?** |