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

**MATH HOMEWORK: Tuesday, September 3 (Due on Wednesday)**

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| **VOCABULARY:**  **A)** Draw **open arrays** for **11**. Make sure to label the **factors** (on the outside) and the **product** (on the inside). Then answer the questions that follow.  **How many factors does 11 have? \_\_\_\_\_\_**  **Is 11 prime (only 2 factors) or composite (more than two factors)? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **Is 11 even or odd? \_\_\_\_\_\_ How do you know? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **Is 11 a square number? \_\_\_\_\_\_\_ How do you know? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **B)** List the **factors of 30** from least to greatest**: \_\_\_\_, \_\_\_\_, \_\_\_\_, \_\_\_\_, \_\_\_\_, \_\_\_\_\_, \_\_\_\_, \_\_\_\_**  **C)** List the first five **multiples of 30: \_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_**  **D)** Which is NOT a **factor of 24**? (circle your answer) 0 4 6 12  HOW DO YOU KNOW? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **E)** Which is NOT a **multiple of 5**? (circle your answer) 45 60 82 100  HOW DO YOU KNOW? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **F)** TRUE OR FALSE (circle one): 8 is a **SQUARE NUMBER**.  HOW DO YOU KNOW? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **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.  **G)**  (6 x 5) + (6 x 2) = 6 x 7 **H)** (4 x 6) + (4 x 3) = 4 x 9 **I)** (9 x 3) + (9 x 3) = 9 x 6  **\_\_\_\_ + \_\_\_\_ = \_\_\_\_\_ \_\_\_\_ + \_\_\_\_ = \_\_\_\_\_ \_\_\_\_ + \_\_\_\_ = \_\_\_\_**  **J)**  (8 x 2) + (8 x 5) = 8 x 7 **K)** (3 x 5) + (3 x 4) = 3 x 9 **L)** (11 x 5) + (11 x 4) = 11 x 9  **\_\_\_\_ + \_\_\_\_ = \_\_\_\_\_ \_\_\_\_ + \_\_\_\_ = \_\_\_\_\_ \_\_\_\_ + \_\_\_\_ = \_\_\_\_**  **M)**  (10 x 9) + (10 x 9) = 10 x 18 **N)** (7 x 2) + (7 x 5) = 7 x 7 **O)** (12 x 3) + (12 x 2) = 12 x 5  **\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_ \_\_\_\_ + \_\_\_\_ = \_\_\_\_\_ \_\_\_\_ + \_\_\_\_ = \_\_\_\_**  **P)**  (8 x 3) + (8 x 3) = 8 x 6 **Q)** (5 x 10) + (5 x 10) = 5 x 20 **R)** (9 x 2) + (9 x 5) = 9 x 7  **\_\_\_\_ + \_\_\_\_ = \_\_\_\_\_ \_\_\_\_ + \_\_\_\_ = \_\_\_\_\_ \_\_\_\_ + \_\_\_\_ = \_\_\_\_** |

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

**MATH HOMEWORK: Wednesday, September 4 (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. An example has been done for you.  **THE ORDER OF OPERATIONS**: **1)** Solve anything in **grouping symbols** (parentheses and brackets). If there is more than one operation within a grouping symbol, you must use the order of operations in # 2 and 3. **2)** Since we do not use exponents yet, the next step is **multiplication and division** (in order from left to right).  **3) addition and subtraction** (from left to right)  **EXAMPLE**: 4 + **6 x 5** - 2  **4 + 30**  - 2  34 - 2 = **32**  **A)** 4 x 8 + 6 x 3 = **B)** 20 ÷ 5 - 2 + 16 = **C) 1**4 + 18 ÷ 6 x 3 =  **D)** 30 - 4 + 5 x 2 = **E)** 50 - 8 ÷ 4 + 16 = **F)** 6 x (8 - 6) x 3 = |
| **SOLVE:**  **G)** If 2 x 10 = 20 and 4 x 10 = 40, then 6 x 10 = \_\_\_\_\_\_\_\_\_\_  **H)** 34 x 20 = 34 x 2 x \_\_\_\_\_\_\_  **I)** 27 x 30 = 27 x 3 x \_\_\_\_\_\_\_\_  **J)** 46 x 200 = 46 x 2 x \_\_\_\_\_\_\_\_\_  **K)** If 23 x 2 = 46, then 23 x 20 = \_\_\_\_\_\_\_\_\_\_\_\_  **L)** If 76 x 3 = 228, then 76 x 300 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **M)** 50 x 10 = \_\_\_\_\_\_\_\_\_\_\_\_ 50 x 100 = \_\_\_\_\_\_\_\_\_\_\_\_ 50 x 1000 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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

**MATH HOMEWORK: Thursday, September 5 (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. An example has been done for you.  **THE ORDER OF OPERATIONS**: **1)** Solve anything in **grouping symbols** (parentheses and brackets). If there is more than one operation within a grouping symbol, you must use the order of operations in # 2 and 3. **2)** Since we do not use exponents yet, the next step is **multiplication and division** (in order from left to right).  **3) addition and subtraction** (from left to right)  **EXAMPLE**: 4 + **6 x 5** - 2  **4 + 30**  - 2  34 - 2 = **32**  **A)** 3 x (10 + 1) x 2 = **B)** 30 ÷ 6 - 3 + 23 = **C)** 25 + 50 ÷ 5 x 2 =  **D)** 40 - (7 + 5 x 3) = **E)** 100 - 12 ÷ 3 + 30 = **F)** 9 x (12 - 12) + 99 = |
| **USE ARRAYS TO SOLVE:**  **G)** 28 x 4 **H)** 256 x 3 **I)** 92 x 34 |