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

**MATH HOMEWORK: Monday, August 26 (Due on Tuesday)**

|  |
| --- |
| **VOCABULARY:**  **A)** Draw **open arrays** for **12**. 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 12 have? \_\_\_\_\_\_**  **Is 12 prime (only 2 factors) or composite (more than two factors)? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **Is 12 even or odd? \_\_\_\_\_\_ How do you know? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **Is 12 a square number? \_\_\_\_\_\_\_ How do you know? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **B)** List the **factors of 20** from least to greatest**: \_\_\_\_, \_\_\_\_, \_\_\_\_, \_\_\_\_, \_\_\_\_, \_\_\_\_\_**  **C)** List the first five **multiples of 20: \_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_**  **D)** Which is NOT a **factor of 16**? (circle your answer) 4 8 12 16  HOW DO YOU KNOW? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **E)** Which is NOT a **multiple of 12**? (circle your answer) 24 36 48 50  HOW DO YOU KNOW? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **F)** TRUE OR FALSE (circle one): 4 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)**  (7 x 5) + (7 x 2) = 7 x 7 **H)** (5 x 6) + (5 x 3) = 5 x 9 **I)** (9 x 2) + (9 x 5) = 9 x 7  **\_\_\_\_ + \_\_\_\_ = \_\_\_\_\_ \_\_\_\_ + \_\_\_\_ = \_\_\_\_\_ \_\_\_\_ + \_\_\_\_ = \_\_\_\_**  **J)**  (8 x 3) + (8 x 3) = 8 x 6 **K)** (6 x 5) + (6 x 4) = 6 x 9 **L)** (11 x 3) + (11 x 4) = 11 x 7  **\_\_\_\_ + \_\_\_\_ = \_\_\_\_\_ \_\_\_\_ + \_\_\_\_ = \_\_\_\_\_ \_\_\_\_ + \_\_\_\_ = \_\_\_\_**  **M)**  (10 x 2) + (10 x 5) = 10 x 7 **N)** (7 x 3) + (7 x 3) = 7 x 6 **O)** (12 x 2) + (12 x 4) = 12 x 6  **\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_ \_\_\_\_ + \_\_\_\_ = \_\_\_\_\_ \_\_\_\_ + \_\_\_\_ = \_\_\_\_**  **P)**  (8 x 2) + (8 x 5) = 8 x 7 **Q)** (6 x 3) + (6 x 4) = 6 x 7 **R)** (9 x 4) + (9 x 5) = 9 x 9  **\_\_\_\_ + \_\_\_\_ = \_\_\_\_\_ \_\_\_\_ + \_\_\_\_ = \_\_\_\_\_ \_\_\_\_ + \_\_\_\_ = \_\_\_\_** |

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

**MATH HOMEWORK: Tuesday, August 27 (Due on Wednesday)**

|  |
| --- |
| **VOCABULARY:**  **A)** Draw **open arrays** for **16**. 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 16 have? \_\_\_\_\_\_**  **Is 16 prime (only 2 factors) or composite (more than two factors)? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **Is 16 even or odd? \_\_\_\_\_\_ How do you know? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **Is 16 a square number? \_\_\_\_\_\_\_ How do you know? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **B)** List the **factors of 24** from least to greatest**: \_\_\_\_, \_\_\_\_, \_\_\_\_, \_\_\_\_, \_\_\_\_, \_\_\_\_, \_\_\_\_, \_\_\_\_**  **C)** List the first five **multiples of 12: \_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_**  **D)** Which is NOT a **factor of 18**? (circle your answer) 2 4 6 9  HOW DO YOU KNOW? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **E)** Which is NOT a **multiple of 11**? (circle your answer) 34 66 88 99  HOW DO YOU KNOW? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **F)** TRUE OR FALSE (circle one): 12 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! Solve for A (this means list the number that takes the place of A to make the equation true)!  **G)**  7 x A = 42 **H)** A x 6 = 24 **I)** 10 x A = 70 **J)** A x 7 = 56 **K)** 12 x A = 48  **A = \_\_\_\_ A = \_\_\_\_ A = \_\_\_\_ A = \_\_\_\_ A = \_\_\_\_**  **L)**  7 x A = 63 **M)** A x 9 = 36 **N)** 11 x A = 77 **O)** A x 2 = 20 **P)** 5 x A = 35  **A = \_\_\_\_ A = \_\_\_\_ A = \_\_\_\_ A = \_\_\_\_ A = \_\_\_\_**  **Q)**  9 x A = 36 **R)** A x 4 = 20 **S)** 12 x A = 36 **T)** A x 3 = 18 **U)** 7 x A = 49  **A = \_\_\_\_ A = \_\_\_\_ A = \_\_\_\_ A = \_\_\_\_ A = \_\_\_\_** |