Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**WEEK 2 HOMEWORK (HONORS)**

**TRY​​ ​​YOUR​​ ​​BEST​​ ​​AND​​ ​​SHOW​​ ​​ALL​​ ​​OF​​ ​​YOUR​​ ​​WORK!​​ ​​Use​​ ​​CUBES​​ ​​(circle,​​ ​​underline,​**

**​box,​ ​evaluate,​​ ​​and​​ ​​solve)​​ ​​to​​ ​​earn​​ ​​full​​ ​​credit**

Solve the following problems **without a calculator**. You *MUST* show your work. ***NO WORK = NO CREDIT.***

|  |  |
| --- | --- |
| 1. 990 ÷ 9 =   **Answer \_\_\_\_\_\_\_**   1. 2200 ÷ 11 =   **Answer \_\_\_\_\_\_\_** | 1. 713 • 7=   **Answer \_\_\_\_\_\_\_**   1. A costume designer needs 3,600 centimeters of pink thread for a project. If there are 400 centimeters of thread on each spool, how many should she buy?   **Answer \_\_\_\_\_\_\_** |
| 1. Royal, an office manager needs to order 70,000 pushpins for his company. If the pushpins come in boxes of 20, how many boxes should Royal order?   **Answer \_\_\_\_\_\_\_** | 1. 784 • 33 =   **Answer \_\_\_\_\_\_**  The answer in question 6 is divisible by:  2, 3, 4, 5, 6, 8, 9, 10  ***Circle all correct answers*** |

**Homework: Tuesday**

Solve the following problems. You *MUST* show your work. ***NO WORK = NO CREDIT.***

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| 1. Trey bought 121 pounds of gummi bears at the candy store. Gin bought 9 times as many pounds as Trey. How much more gummi bears did Gin buy than Trey?   **Answer \_\_\_\_\_\_\_**   1. 975 • 45 =   **Answer \_\_\_\_\_\_\_** | 1. 25, 765 ÷ 5 =   **Answer \_\_\_\_\_\_\_**   1. 272, 948 ÷ 52 =   **Answer \_\_\_\_\_\_\_** |
| 1. A hotel needs to arrange 25, 088 flowers in vases for a reception. If each vase can hold 16 flowers, how many vases will the hotel need?   **Answer \_\_\_\_\_\_\_** | 6. **Divisibility Rules!**  A number is:  divisible by **2** if \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  divisible by **3** if \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  divisible by **5** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  divisible by **6** if \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  divisible by **9** if \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  divisible by **10** if \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

**Honors-Homework: Wednesday**

Solve the following problems **without a calculator**. You *MUST* show your work. ***NO WORK = NO CREDIT.***

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| 1. Create a division problem that has a remainder, solve that problem. How would you check your answer using multiplication if there is a remainder?   **Answer \_\_\_\_\_\_\_** | 1. It cost $315, 744 to make 22 iPhones. How much did it cost to make each iPhone?   Equation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **Answer \_\_\_\_\_\_\_** |
| 1. **Divide.** Check your answer using **multiplication**.   87, 456 ÷ 6 =  **Answer \_\_\_\_\_\_\_** | 1. **Divide.** Check your answer using **multiplication**.   6, 555 ÷ 9 =  **Answer \_\_\_\_\_\_\_** |

**Homework: Thursday**

Solve the following problems without using a calculator. You *MUST* show your work. ***NO WORK = NO CREDIT.***

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| 1. Solve:   30 + 6(5 + 4 ÷ 2) – 71 ÷ 7    **Answer \_\_\_\_\_\_\_**  Simplify: 44 · 43 = \_\_\_\_\_ | 1. 631 • 36 =   **Answer \_\_\_\_\_\_\_**   1. 10000 + 52 + 43 • 19   **Answer \_\_\_\_\_\_\_** |
| 4. In one night, a movie theater makes a profit of $6,450 selling tickets. Each ticket costs $15 dollars. How many people purchased a ticket?  **Answer \_\_\_\_\_\_\_**  5**. SAT Question**: What is the result when 105 • 105? Explain the rule?    **Answer \_\_\_\_\_\_\_** | 1. **SAT Question**   Evaluate: If a + 2 = 7, then (a+3) 2 =    **Answer \_\_\_\_\_\_\_**   1. Simplify: 31 · 34 · 36   **Answer \_\_\_\_\_\_\_** |

**After MAP Testing Work**

Solve the following problems **without a calculator**. You *MUST* show your work. ***NO WORK = NO CREDIT.***

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| 1. There are 181, 939 visitors to a park in Charlotte. The park is only open for 31 days. What was the daily average number of visitors each day?   1b. Leslie bakes 225, 088 cookies in a weekend. She sells the cookies in packs of 20. How many packs of cookies did she sell, and how many did she have left over? | 1. 8,248 ÷ 121 = 2. A goldsmith purchased 12 kilograms of gold. The price of the gold was $33,045 per kilogram. What was the total price of the gold? |
| 1. **S**ince he was hired, a chef has served a total of 91,766 guests. Of those guests, 99 were adults. How many children has the chef served? | 1. Top Hat Soda has 9 liters of cola to bottle. Each bottle holds 9 liters. How many bottles will the cola fill? |

Solve the following problems **without a calculator**. You *MUST* show your work. ***NO WORK = NO CREDIT***

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| 1. **Deduce.** How could the fact 64 ÷ 8 = 8 help you estimate the quotient of 644, 321 ÷ 84? | 1. Write a real-world problem about dividing $195, 885 by $15. Then solve the problem. |

Find each missing number.

|  |  |  |  |
| --- | --- | --- | --- |
| Dividend | Divisor | Quotient | Remainder |
| 524 | 3 | 174 |  |
| 7,204 | 25 |  | 4 |
|  | 71 | 4,256 | 0 |
|  | 52 | 8,231 | 22 |
| 4, 064 |  | 90 | 14 |

Solve the following problems **without a calculator**. You *MUST* show your work. ***NO WORK = NO CREDIT.***

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| 1. 742 • 167 = 2. 82, 925 ÷ 25 = | 1. What numbers are 84,485,588 divisible by? 0-10 2. Given 1250:   Is it divisible by 2? \_\_\_\_\_\_ Why? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  By 5? \_\_\_\_\_\_ Why? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  By 10\_\_\_\_\_\_ Why? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 1. Find the smallest number that is divisible by:   2, 4, 6, **and** 8  Explain how you found your answer: | 1. Devise a rule for divisibility by 12 with examples provided. |