Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ HR: \_\_\_\_\_

**Problem: Estimating Quotients: 2-Digit Divisors**

**How can you use compatible numbers to estimate quotients?**

**Part 1: Independent Practice -** Estimate the quotient using compatible numbers.

|  |  |  |  |
| --- | --- | --- | --- |
| Problem | Re-write it Using **COMPATIBLE NUMBERS** | **Estimate** the **QUOTIENT** | **Check** for **REASONABLENESS** |
| 2,863 ÷ 43 =  |  |  |  |
| 4,112 ÷ 83 =  |  |  |  |
| 5,800 ÷ 57 =  |  |  |  |
| 6,392 ÷ 82 =  |  |  |  |
| 5,549 ÷ 64 =  |  |  |  |
| 1,218 ÷ 58 =  |  |  |  |

**Part 2: Problem Solving**

|  |  |
| --- | --- |
| A high school volleyball team has made it to the state tournament. There are 1,482 students that want to go, and 34 students can fit on each bus. About how many buses are needed? | Each player contributed $6 for a gift for the coach. The two assistant coaches donated $15. If there were 18 players on the team, about how much money did the team raise in all? |
| Belinda made $1,598 by selling 82 jewelry stands. Each stands costs the same. About how much did each stand cost? | Belinda has 4,231 more stands to sell. She wants to store these in boxes that hold 21 stands each. She estimates she will need about 300 boxes. Is she right? Why or why not? |