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

**End of Module Study Guide- Module 2**

1. Label the parts of the equation.



1. Divide.

|  |  |
| --- | --- |
| 12,000 ÷ 300 | 560,000 ÷ 700 |
| 28,000 ÷ 40 | 810,000 ÷ 9,000 |

1. Estimate the quotient for the following problems.

|  |  |
| --- | --- |
| 2,659 ÷ 28≈ \_\_\_\_\_\_\_\_\_ ÷ \_\_\_\_\_\_\_\_\_= \_\_\_\_\_\_\_\_\_ | 2,525 ÷ 64≈ \_\_\_\_\_\_\_\_\_ ÷ \_\_\_\_\_\_\_\_\_= \_\_\_\_\_\_\_\_\_ |
| 8,515 ÷ 89≈ \_\_\_\_\_\_\_\_\_ ÷ \_\_\_\_\_\_\_\_\_= \_\_\_\_\_\_\_\_\_ | 4,945 ÷ 93≈ \_\_\_\_\_\_\_\_\_ ÷ \_\_\_\_\_\_\_\_\_= \_\_\_\_\_\_\_\_\_ |

1. Why is it helpful to estimate the quotient when solving a long division problem using the standard algorithm?
2. Divide using the standard algorithm and show remainders. Multiply to check your answers.

|  |  |
| --- | --- |
| 71 ÷ 50 | 643 ÷ 80 |
| 553 ÷ 23 | 6,144 ÷ 35 |

1. Divide.
2. 6.4 ÷ 8 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ b. 18.6 ÷. 20 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Estimate the quotients.
	1. 3.24 ÷ 82 ≈
	2. 361.2 ÷ 61 ≈
4. Divide and multiply to check. There should be no remainders!

|  |  |
| --- | --- |
| 36.14 ÷ 13 | 6.89 ÷ 13 |
| 30.09 ÷ 59 | 300.9 ÷ 59 |