Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Table# \_\_\_\_ Period: \_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_

**7.4e A NOTES – Repeating Decimals**

*Objective: Students can convert a repeating decimal to a fraction by writing and solving equations. CCSS: 8.NS.1.*

*HW: (7.4e1) p. 316 #1 – 4 (Solutions on p. A33)*

|  |  |
| --- | --- |
|  | **WATCH VIDEO: 7.4e, EXAMPLE 1**  Write as a fraction in simplest form.  Step 1:  Step 2:      Step 3: -  9x = 16  Step 4:  so |

**EXAMPLES**

|  |  |
| --- | --- |
| 1. Write as a fraction in simplest form. | 1. Write as a mixed number. |

BACK 🡪

**ON YOUR OWN**

|  |  |
| --- | --- |
| 1. Write as a fraction in simplest form | 2. Write as a fraction in simplest form. |
| 3. Write as a mixed number | 4. Write as a fraction in simplest form |

**++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++**

**WARM-UP**

|  |  |
| --- | --- |
| 1. Convert to an improper fraction. | 2. Convert to a mixed number. |

Mark an X for each category that applies.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Number | Real | Rational | Irrational | Integer | Whole | Natural |
| 3 | 0 |  |  |  |  |  |  |
| 4 | -1.125 |  |  |  |  |  |  |
| 5 | 0.9875298752… |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |
| 7 | 3.592345.. |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  |