WARM UP

Page 281 questions 7, 10, and 12.

Page 238 questions 3, 7, and 8.

MATH COURSE I

Dividing Mixed Numbers

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VOCABULARY

reciprocal: one of two numbers whose produce is 1.

Example: ¾ x 4/3 = 12/12 = 1

Multiplicative inverse: (also known as reciprocal) Definition

RECIPROCAL

- **Video for Reciprocal**

What's the reciprocal?

1) 1/9
2) 2 3/5
3) 7 1/5

Dividing

Step 1: Write mixed numbers as improper fractions.

Step 2: create reciprocal of second fraction and change to multiplication

Step 3: Cross simplify with GCF *optional

Step 4: Multiply across.

Step 5: Simplify.

DIVIDING

1: keep first fraction

2: change the sign from division to multiplication

3: flip: reciprocate the second fraction

4: multiply

5: simplify

EXAMPLE

10 ½ ÷ 1 ¾ =

Step 1: 21/2 ÷ 7/4 =

Step 2: 21/2 x 4/7 =

Step 3: 3/1 x 2/1 =

Step 4: 6/1 =

Step 5: 6/1 = 6

PRACTICE

- Complete questions 9 – 17 on page 278.