

2.2

Adding Rational Numbers (Day 1)

Do Now

Tell whether the number belongs to each of the following number sets: ***rational numbers, integers, whole numbers.***

1) -5

2) 0

3) -2.16

4) 12

Adding Integers Review

$$-8 + -5 =$$

$$-7 + -12 =$$

SAME SIGN

- Ignore the signs
- Add numbers
- Put sign back

$$-8 + 17 =$$

$$6 + -13 =$$

DIFFERENT SIGNS

- Ignore the signs
- Subtract
- Put sign back of number that “looks” the biggest

Add. & Sub. Fractions & MN Review

$$1) \quad \frac{1}{8} + \frac{3}{8}$$

$$2) \quad \frac{4}{7} + \frac{5}{7}$$

Add. & Sub. Fractions & MN Review

$$3) \quad \frac{3}{4} + \frac{5}{8}$$

$$4) \quad \frac{5}{6} + \frac{1}{4}$$

“Improper” Mixed Numbers

$$5) \quad 5\frac{5}{3}$$

$$6) \quad 2\frac{9}{4}$$

Add. & Sub. Fractions & MN Review

$$7) \quad 5\frac{1}{3} + 6\frac{2}{5}$$

$$8) \quad 2\frac{2}{3} + 2\frac{1}{2}$$

Add. & Sub. Fractions & MN Review

$$10) \quad \frac{7}{10} - \frac{3}{10}$$

$$11) \quad 9\frac{5}{7} - 3\frac{1}{2} =$$

Sub. Mixed Numbers with Borrowing

$$12) \quad 6 - 3\frac{1}{4}$$

$$13) \quad 8 - 6\frac{5}{7}$$

PRACTICE

$$14) \quad 9 - 3\frac{3}{5}$$

$$15) \quad 7 - 2\frac{5}{6}$$

Sub. Mixed Numbers with Borrowing

$$16) \quad 3\frac{1}{5} - 1\frac{4}{5}$$

$$17) \quad 8\frac{1}{7} - 5\frac{3}{7}$$

Sub. Mixed Numbers with Borrowing

$$18) \quad 5\frac{1}{2} - 2\frac{5}{6}$$

Sub. Mixed Numbers with Borrowing

$$19) \quad 6\frac{1}{6} - 1\frac{3}{4}$$