

2.4

Multiplying Rational Numbers

Do Now

Explain how to find the difference

$$-\frac{4}{5} - \frac{3}{5}$$

Which expression does not belong with the other three? Explain your reasoning.

$$-\frac{5}{8} - \frac{3}{4}$$

$$-\frac{3}{4} + \frac{5}{8}$$

$$-\frac{5}{8} + (-\frac{3}{4})$$

$$-\frac{3}{4} - \frac{5}{8}$$

Review – Multiplying Fractions

$$1) \quad \frac{2}{4} \times \frac{3}{9} =$$

Review – Multiplying Fractions

$$2) \quad \frac{2}{3} \bullet \frac{3}{4} =$$

Review – Multiplying Fractions

$$3) \quad \frac{15}{20} \times \frac{4}{10} =$$

Review – Multiplying Mixed Numbers

$$4) \quad 1\frac{1}{3} \bullet 3\frac{3}{4} =$$

**Change Mixed
Numbers into
Improper
Fractions!!**

Review – Multiplying Mixed Numbers

$$5) \quad 3\frac{1}{3} \bullet 4\frac{2}{5} =$$

**Change Mixed
Numbers into
Improper
Fractions!!**

Review – Multiplying Mixed Numbers

$$6) \quad 3\frac{3}{5} \bullet 45 =$$

**Change Mixed
Numbers into
Improper
Fractions!!**

Multiplying Integers

Multiply numbers like regular multiplication...
however...

POSITIVE X POSITIVE =

POSITIVE X NEGATIVE =

NEGATIVE X POSITIVE =

NEGATIVE x NEGATIVE =

7) $8 \times -6 =$

9) $-9 \times -7 =$

8) $-11 \times 2 =$

10) $-12 \times 5 =$

Multiplying Rational Numbers

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

Multiplying Rational Numbers

$$12) \quad -\frac{1}{2} \bullet \frac{4}{9} =$$

Multiplying Rational Numbers

$$13) \quad -2\frac{1}{3} \times 3\frac{2}{3} =$$

Multiplying Rational Numbers

$$14) -2\frac{1}{2}\left(-3\frac{3}{5}\right)=$$

Multiplying Rational Numbers

$$15) -3\frac{1}{3} \bullet \frac{9}{20} =$$

Multiplying Rational Numbers

$$16) \frac{3}{4} \bullet \left(-2\frac{1}{6}\right) \left(1\frac{2}{3}\right) =$$

Multiplying Rational Numbers

$$17) \quad 2.32 \times 6$$

Multiplying Rational Numbers

18) 2.63×0.3

Multiplying Rational Numbers

$$19) \quad 0.5 \times (-0.09)$$

Multiplying Rational Numbers

$$20) (-7)(0.08)(-0.4)$$

Practice

$$21) -\frac{6}{5}\left(-\frac{1}{2}\right)$$

$$22) 1.8(-5.1)$$

Practice

$$23) -6.3(-0.6)$$

Practice

$$24) -\frac{2}{3} \bullet 7\frac{7}{8} \bullet \frac{3}{2}$$