

## MATH 7

Write your  
questions here!

## MULTIPLY Mixed Numbers



$3\frac{2}{3} \left(\frac{4}{5}\right)$

$2\frac{1}{4} \cdot 1\frac{2}{5}$

$4\frac{3}{4}(-2)$

## MULTIPLY Decimals

$6.2 \cdot 8$

$3.5(4.2)$

$0.75(-2)$



## DIVIDE Mixed Numbers



$2\frac{3}{4} \div \frac{7}{5}$

$\frac{4}{5} \div \left(3\frac{1}{2}\right)$

$(-3) \div \left(-2\frac{4}{5}\right)$

## DIVIDE Decimals

$3.6 \div 2$

$6 \div 0.5$

$4.8 \div (-0.3)$

SUMMARY:Now,  
summarize  
your notes  
here!

**Multiply (Mixed Numbers). Reduce to simplest form if possible.**

1.  $2\frac{3}{5} \cdot \frac{2}{3} =$

2.  $\left(\frac{3}{5}\right)\left(-2\frac{1}{4}\right) =$

3.  $4\frac{1}{2} \cdot 3\frac{1}{2} =$

**Divide (Mixed Numbers). Reduce to simplest form if possible.**

4.  $2\frac{3}{4} \div \frac{4}{3} =$

5.  $\left(-\frac{3}{5}\right) \div \left(-3\frac{1}{4}\right) =$

6.  $-3\frac{1}{2} \div 1\frac{1}{3} =$

**Multiply (Decimals).**

7.  $1.2 \cdot 5 =$

8.  $(3.2)(-2.4) =$

9.  $4 \cdot 0.6 =$

**Divide (Decimals).**

10.  $4.5 \div 9 =$

11.  $(12.6) \div (-3) =$

12.  $-10.25 \div 4.1 =$

**Perform the indicated operation. Reduce to simplest form if possible.**

13.  $2\frac{2}{3} \cdot \frac{5}{6} =$

14.  $(-10)(-2.5) =$

15.  $\frac{1}{2} \div 1\frac{5}{8} =$

16.  $\left(-3\frac{2}{3}\right) \div (4) =$

17.  $(18.4) \div (4) =$

18.  $\frac{3}{8} \cdot 5\frac{1}{2} =$

**Write a multiplication expression for each situation. Answer the question.**

22. Sandra's hair was  $5\frac{1}{3}$  inches long. Her hair dresser cut five-eighths of it off. How many inches of Sandra's hair was cut off?

Expression:

Answer:

23. The temperature increased  $2\frac{4}{5}$  of a degree per hour for six hours. How many degrees did the temperature raise after six hours?

Expression:

Answer:

24. Jim was deep sea diving last week. He descends 1.7 of a meter every minute. How many meters will he descend in 10 minutes?

Expression:

Answer:

**Write a division expression for each situation. Answer the question.**

25. Mr. Brust has  $2\frac{1}{4}$  pounds of candy from Halloween. He splits the candy into 4 piles. How much does each pile weigh?

Expression:

Answer:

26. The temperature fell 9 degrees over 1.5 of an hour. What was the average change in temperature per hour?

Expression:

Answer:

27. Max lost 24 pounds in  $2\frac{1}{2}$  of a month on his new weight-loss plan. What was his average change in weight per month?

Expression:

Answer:

1. Perform the indicated operation.

$$\frac{5}{7} \div 2\frac{2}{3} =$$

2. Perform the indicated operation.

$$(-4)(3.2) =$$

3. Decide whether the following expressions are equal. Support your answer!

A)  $2\frac{4}{5} \cdot \frac{1}{3} = 2\frac{4}{5} \div 3$

B)  $6 \cdot 0.5 = 12.8 \div 4$

C)  $\frac{3}{2} \div 4 = \frac{1}{3} \cdot 1\frac{1}{3}$

### EXIT TICKET –

Mr. Sullivan finds a geo cake recipe that serves 6 people. He needs to make a cake that serves 18 people.

#### PART A

How many times bigger does Mr. Sullivan need to make the recipe?

#### PART B

Fill in the blanks below so that it will serve the recipe will serve 18 people.

##### 6 Servings

- 2  $\frac{1}{4}$  cups all purpose flour
- 1.5 cups sugar
- 3 teaspoons baking powder
- $\frac{1}{2}$  teaspoon salt
- 1.75 cups of milk
- 2 large eggs
- $\frac{5}{4}$  teaspoon vanilla

##### 18 Servings

- \_\_\_\_\_ cups all purpose flour
- \_\_\_\_\_ cups of sugar
- \_\_\_\_\_ teaspoons of baking powder
- \_\_\_\_\_ teaspoons salt
- \_\_\_\_\_ cups of milk
- \_\_\_\_\_ large eggs
- \_\_\_\_\_ teaspoons vanilla