

Day 1

6th grade math



Name: _____

Unit 1: Whole Numbers & Operations

Date: _____ Per: _____

Homework 2: Adding & Subtracting
Whole Numbers

Directions: Find each sum or difference.

1. $71,062 + 4,973$

2. $153,309 + 4,025,392$

3. $9,721 + 342,378$

4. $6,392 - 1,583$

5. $14,315 - 906$

6. $800,302 - 10,948$

The table below gives the monthly sales of a company for the first four months in a certain year.
Use the table to answer questions 7 and 8.

Monthly Sales	
January	\$9,728
February	\$16,972
March	\$23,391
April	\$12,005

7. What is the total sales of the two highest sales months?

8. How much more were the sales in March than January and April combined?

9. There were 16,392 people with ticketed seats at a concert and 3,592 people with lawn tickets. How many people were at the concert altogether?

10. The population of a city is currently 2,395,326. This has increased by 462,392 since 2000. What was the population in 2000?

11. The Suffolk Library has 102,673 books. The Newberry Library has 106,329 books. How many more books does the Newberry Library have?

12. Dora has two savings account. The balances in the accounts are \$5,035 and \$2,878. If she withdraws \$940 to loan to her mother, how much money does she have left in her accounts?

Day 2

Name: _____

Unit 1: Whole Numbers & Operations

Date: _____ Per: _____

Homework 3: Multiplying & Dividing
Whole Numbers**** This is a 2-page document! ******Directions:** Find each product or quotient.

1. 68×23

2. $237(524)$

3. $72 \cdot 856$

4. $1,948 \times 29$

5. $9,893 \div 13$

6. $\frac{950}{37}$

7. $\frac{518}{25}$

8. $27,839 \div 30$

Day 3

Name:

Date:

Topic:

Class:

Main Ideas/Questions

Notes/Examples

**ADDING &
SUBTRACTING**
decimals

To add or subtract decimals:

- ① Line up the decimal points.
- ② Insert zeros when necessary as place holders.
- ③ Add or subtract as you normally would. Bring down the decimal.

EXAMPLE 1

$7.19 + 3.54$

EXAMPLE 2

$2.372 + 16.8$

EXAMPLE 3

$6.407 - 2.192$

EXAMPLE 4

$42.3 - 3.905$

**MORE
EXAMPLES**

Find each sum or difference.

1. $5.91 + 8.308$

2. $7.24 - 3.98$

3. $6.7 - 2.156$

4. $7.981 + 8.5$

Day 4

Name:	Date:
Topic:	Class:

Main Ideas/Questions	Notes/Examples	
MULTIPLYING <i>decimals</i>	To multiply decimals:	
	①	Line up the factors so that the last digit in each number align.
	②	Multiply as you would with whole numbers.
	③	Find the total number of digits past the decimal in each factor. The product will have this number of digits past the decimal.
	EXAMPLE 1	EXAMPLE 2
	4.68×8	$0.092(4)$
MORE EXAMPLES	EXAMPLE 3	EXAMPLE 4
	5.8×2.2	$1.3(12.452)$
	Find each product.	
	1. 7.65×2	2. $2.178(15)$
	3. $0.6(0.3)$	4. 1.02×0.8

Name: _____

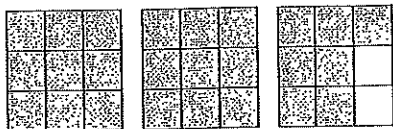
Unit 3: Rational Numbers

Date: _____ Per: _____

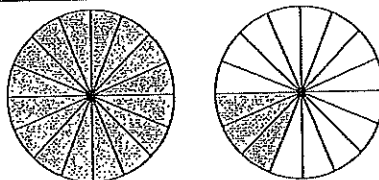
Homework 1: Writing & Simplifying Fractions

Directions: Describe each model using (a) a mixed number and (b) an improper fraction.

1.



2.

**Directions:** Write each number as an improper fraction.

3. $2\frac{1}{6}$

4. $1\frac{2}{7}$

5. $6\frac{3}{4}$

6. $3\frac{5}{12}$

Directions: Write each fraction as a mixed number.

7. $\frac{8}{3}$

8. $\frac{29}{10}$

9. $\frac{47}{6}$

10. $\frac{13}{4}$

11. $\frac{34}{15}$

12. $\frac{62}{7}$

Directions: Simplify. Write your answer as a mixed number when possible.

13. $\frac{16}{28}$

14. $\frac{18}{45}$

15. $\frac{24}{32}$

16. $2\frac{6}{48}$

17. $1\frac{15}{18}$

18. $8\frac{12}{54}$

19. $\frac{42}{12}$

20. $\frac{66}{48}$

21. $\frac{120}{36}$

22. $\frac{63}{48}$

23. $\frac{86}{20}$

24. $\frac{87}{12}$

Day 7

Name: _____

Unit 3: Rational Numbers



Date: _____ Per: _____

Homework 3: Adding & Subtracting Fractions

**** This is a 2-page document! ****

Directions: Find each sum or difference. Write all answers in simplest form.

1. $\frac{17}{18} + \frac{7}{18}$

2. $\frac{23}{24} - \frac{7}{24}$

3. $1\frac{5}{9} + 2\frac{7}{9}$

4. $5\frac{1}{8} - 2\frac{5}{8}$

5. $\frac{7}{10} + \frac{1}{20}$

6. $\frac{3}{10} - \frac{1}{4}$

7. $4\frac{1}{12} + 1\frac{3}{4}$

8. $5\frac{1}{2} - 1\frac{5}{6}$

9. $3\frac{5}{12} - \left(\frac{2}{3} + \frac{3}{2}\right)$

10. $3\frac{5}{6} + \frac{1}{10} - \frac{3}{5}$

Day 8

Name: _____

Unit 3: Rational Numbers

Date: _____ Per: _____

Homework 4: Multiplying Fractions

Directions: Find each product. Write each answer in simplest form.

1. $\frac{3}{7} \cdot \frac{5}{6}$

2. $2\frac{1}{2} \cdot \frac{7}{10}$

3. $\frac{2}{3} \cdot 5\frac{3}{4}$

4. $1\frac{4}{9} \cdot \frac{3}{10}$

5. $4\frac{7}{9} \cdot 2\frac{2}{5}$

6. $\left(\frac{3}{4} + 1\frac{5}{12}\right) \cdot 1\frac{1}{2}$

7. If you have $4\frac{1}{6}$ yards of fabric and cut $\frac{2}{5}$ of it off to make a quilt, how many yards of fabric will you have remaining?

8. One cup of sugar weighs $6\frac{3}{10}$ ounces. Find the total weight of $4\frac{2}{3}$ cups of sugar.

9. Cassidy's baby boy weighed $6\frac{1}{9}$ pounds at birth. Find his current weight if he now weighs $2\frac{2}{5}$ his birth weight.

10. There was $4\frac{1}{8}$ gallons of water in a jug. If a soccer team drank $\frac{4}{9}$ of the water, how much water remains in the jug?

Day 9

Name: _____

Unit 3: Rational Numbers

Date: _____ Per: _____

Homework 5: Dividing Fractions

Directions: Find each product. Write each answer in simplest form.

1. $\frac{7}{9} \div \frac{5}{6}$

2. $1\frac{2}{3} \div \frac{8}{9}$

3. $\frac{5}{8} \div 2\frac{11}{12}$

4. $8\frac{2}{5} \div 6$

5. $4\frac{2}{3} \div 1\frac{7}{9}$

6. $1\frac{1}{20} \div \left(\frac{5}{6} - \frac{2}{15}\right)$

7. The bake shop had $3\frac{3}{8}$ pans of brownies left at the end of the day. If they evenly distribute the brownies to each of their six employees, what fraction of a pan will each employee receive?

8. How many strips of ribbon can be cut from a roll of ribbon that is $4\frac{4}{9}$ meters long if each piece is $\frac{5}{12}$ meters long?

9. A block is $\frac{15}{16}$ inches tall. How many blocks are needed to create a tower that is at least 18 inches tall?

10. Scott has $18\frac{3}{4}$ gallons of gas in his tank. If he uses $\frac{3}{50}$ gallons of gas per mile he drives, how many miles can he drive before his tank is empty?

Day 10

Name: _____

Unit 2: Integer Operations

Date: _____ Per: _____

Homework 12: The Coordinate Plane

1. Graph each point on the coordinate plane below and name the quadrant or axis it lies in.

a) $A(8, -1)$

b) $B(-3, -2)$

c) $C(-5, 0)$

d) $D(-4, 9)$

e) $E(1, 2)$

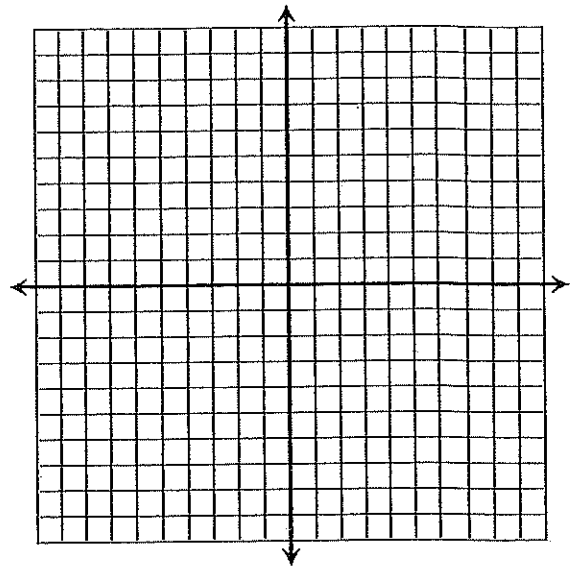
f) $F(-1, -7)$

g) $G(0, 6)$

h) $H(4, -3)$

i) $I(-2, 2)$

j) $J(-9, -5)$

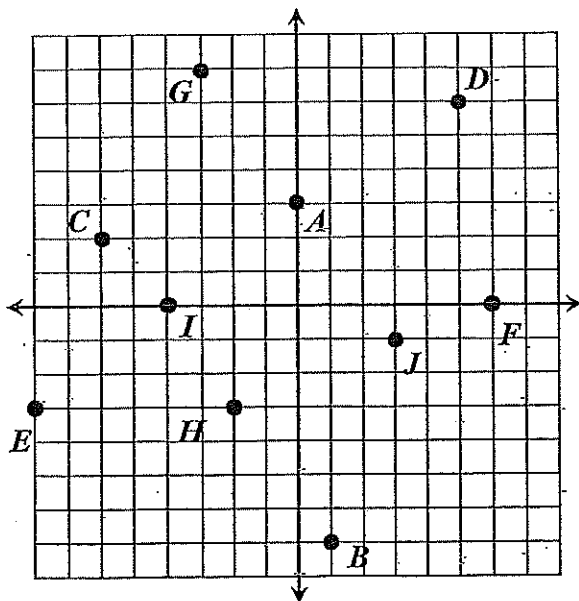


Use the graph above for questions 2 and 3.

2. Beginning at point H , if you move right 4 units and up 2 units, what point do you land on?

3. Beginning at a certain point, Greg moved left 2 units and down 9 units and landed on point F . What point did he start at?

4. Identify the ordered pair and location (quadrant or axis) for each point on the graph.



Point	Ordered Pair	Location
A		
B		
C		
D		
E		
F		
G		
H		
I		
J		

5. A cell phone tower is located 6 blocks west and 2 blocks north of Darnell's house. If Darnell's house is located at the origin on a coordinate plane, write the location of the tower as an ordered pair.

6. A boat leaves a port located at the point $(-7, -3)$. If it sails 5 miles east and 8 miles south, write an ordered pair to represent the new location of the boat.

