Fractions and Decimals

1. After buying ingredients to bake brownies, Connor has $2.35 left. How would he represent this decimal as a fraction?

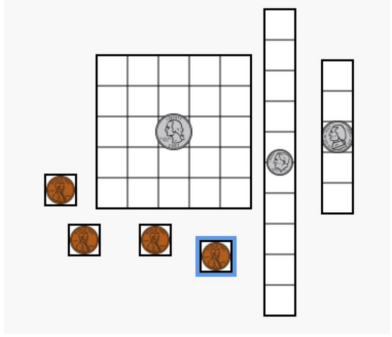
Fractions and Decimals

2. Luke and James have the following coins. How much money do each of them have? Represent your answer as a fraction and decimal.

	Quarters	Nickels	Dimes	Pennies
Luke	2	0	6	8
James	3	5	0	8

Fractions and Decimals

3. How much money is represented below? Write your answer in both fraction and decimal form.



Fractions and Decimals

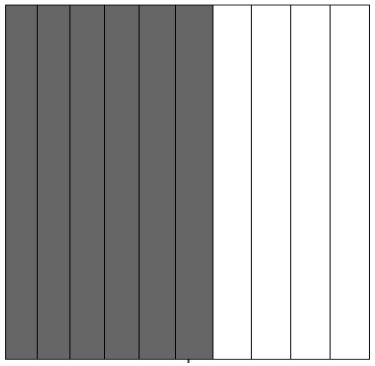
4. Allie has 3 $1 bills, 3 quarters, 6 dimes and 9 pennies. How much money does Allie have? Write your answer in both fraction and decimal form.

Fractions and Decimals

5. Connor cuts his tray of brownies into 10 pieces. Bob eats 3 of the pieces. Josh eats 4 pieces. How many pieces are left for Connor to eat? Write the amount left as a fraction and a decimal

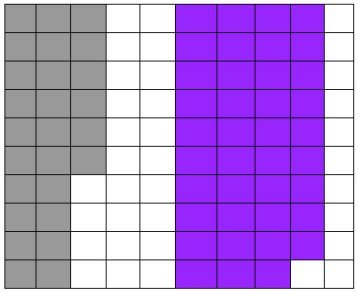
Fractions and Decimals

6. What fraction of the grid is shaded? Write your answer as a fraction and a decimal.



Fractions and Decimals

7. What fraction of the grid is shaded gray? What fraction of the grid is shaded purple? Write the amount for both in fraction AND decimal form.



Fractions and Decimals

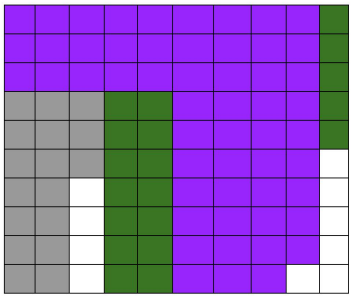
8. Carly has 9 quarters, 5 dimes and 4 nickels. How much money does Carly have? Write your answer in both fraction and decimal form.

Fractions and Decimals

9. Becca has 6 quarters and 3 nickels. If she spends ½ of a dollar, how much money will she have left? Write your answer in fraction and decimal form.

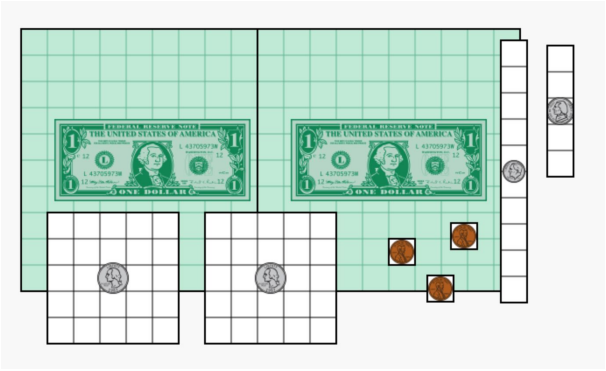
Fractions and Decimals

10. What fraction of the grid is shaded gray? What fraction of the grid is shaded purple? What fraction of the grid is shaded green? What fraction of the grid is not shaded? Write the amounts for all four in fraction AND decimal form.



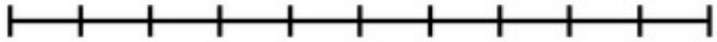
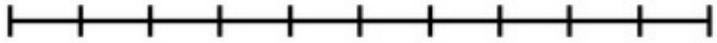
Fractions and Decimals

11. How much money is represented below? Write your answer in both fraction and decimal form.



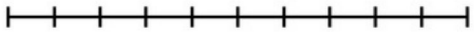
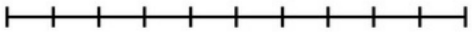
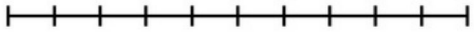
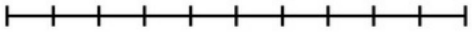
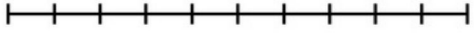
Fractions and Decimals

12 . Eliza has 2 $5 bills, 1 quarter, 7 dimes and 3 pennies. How much money does Eliza have? Write your answer in both fraction and decimal form.

Fractions and Decimals **13. Show 2/10 on a number line.**  **0** **1**	**Fractions and Decimals** **14. Show 0.42 on a number line.**  **0** **1**
Fractions and Decimals **15. Show 0.75 on a number line.**  **0** **1**	**Fractions and Decimals** **16. Show 58/100 on a number line.**  **0** **1**

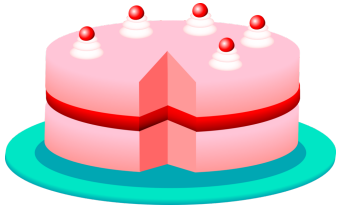
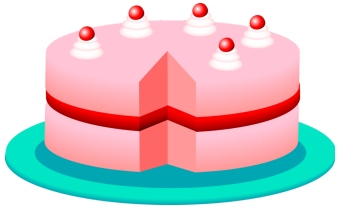
Fractions and Decimals **17. Maggie represented the fraction, seven tenths, on the number line below. How far away from 0 is 7/10?**  **0** **1**	**Fractions and Decimals** **18. Show 0.98 on a number line.**  **0** **1**
Fractions and Decimals **19. How much further away from 0 on a number line is .75 compared to 0.34 .**  **0** **1**	**Fractions and Decimals** **20. Show 3/10 on the number line.**  **0** **1**

Relating Fractions and Decimals Recording Sheet

1.	2.	3.
4.	5.	6.
7.	8.	9.
10.	11.	12.
13. 	14. 	15. 
16. 	17. 	18. 
19. 	20. 	

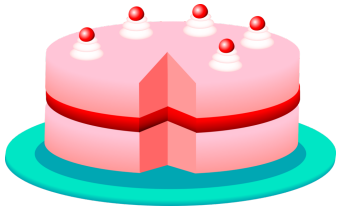
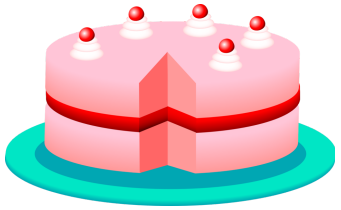
Equivalent Fractions 1. Carly's Cupcake Shoppe sold chocolate, vanilla, and strawberry cupcakes. Of all the cupcakes the shoppe sold on Monday, 1/5 of them were chocolate, 2/10 of them were vanilla, and 3/5 of them were strawberry. Which two types of cupcakes did he sell an equal amount of? 	**Equivalent Fractions** 2. The frosting recipe called for 7/8 of a 24 ounce bag of sugar. How many ounces of sugar does the recipe call for? 
Equivalent Fractions 3.Sophia made 48 cupcakes for her birthday party. ½ of the cupcakes were vanilla. ¼ were red velvet. The rest of the cupcakes were strawberry. How many strawberry cupcakes did Sophia make? 	**Equivalent Fractions** 4. Bella is buying cookies and brownies for a party. She has $24. She wants to spend ¼ of her money on brownies, ⅓ of her money on cake mix, and the rest of the money on cookie ingredients. How much money does she spend on each item. 

Equivalent Fractions	Equivalent Fractions
 5. Connor cuts his tray of brownies into 16 pieces. Bob eats ½ of the brownie tray. Connor eats 4 of the brownies. Did they eat the same amount of brownies? Explain your reasoning.	 6. James made different kinds of brownies for a party. He makes 80 brownies in all. 20 of the brownies are triple fudge, ½ are dark chocolate, and the rest are white chocolate. Which two kinds of brownies did he make the same amount of?
Equivalent Fractions	**Equivalent Fractions**
7. The brownie recipe called for 3/4 of a 60 ounce bag of chocolate chips. How many ounces of chocolate chips does the recipe call for? 	8. Lucas filled his 24 ounce container with 16 ounces of brownies. Write this amount as a fraction, then write another fraction that is equivalent. 

Equivalent Fractions	Equivalent Fractions
9.On Monday, Kaylee read ⅔ of her cookbook. On Tuesday, she read ⅘ of her cookbook. On Wednesday, she read ¼ of her cookbook, on Thursday she read 4/6 of her cookbook, and on Friday she read 5/9 of her cookbook. On which two days did she read the same amount? 	10. Kendall ate 3/12 of a cake. Riley ate ⅛ of a cake. Lindsey ate 2/6 of cake. Becca ate 3/6 ate a cake. Which two girls ate the same amount of cake? 

Simplifying Fractions 1. Josh ate 7/21 of the bag of cookies. In simplest form, what fraction of the bag did he eat? 	**Simplifying Fractions** 2. Tyler took 4 of the 38 cookies. In simplest form, what fraction of cookies did he take? 
Simplifying Fractions 3.At her party, guests ate 15 out of the 25 pieces of cake. In simplest form, what fraction of the cake did they eat? 	**Simplifying Fractions** 4. Bella is buying cookies and brownies for a party. She spent $10. She had $45. In simplest form, what fraction of money did she spend. 

Simplifying Fractions	Simplifying Fractions
5.Brook's brownie recipe said the brownies took 48 minutes to bake. The brownies were done in 44 minutes. In simplest form, what fraction of the total time did the brownies need to bake? 	6. James made different kinds of brownies for a party. He makes 81 brownies in all. After the party, there were only 3 left. In simplest form, what fraction of brownies were left? 
Simplifying Fractions	**Simplifying Fractions**
7. AJ had a bag of 54 chocolate chips. There were 9 left. In simplest form, what fraction of chocolate chips were left? 	8. Bradley and 4 of the 10 boys in his class chose triple fudge brownies. In simplest form, what fraction of the boys in the class chose triple fudge brownies? 

Simplifying Fractions	Simplifying Fractions
9.A cake was split into 8 pieces. Justin ate 2 pieces. In simplest form, what fraction of the cake was left over? 	10. A cake was split into 24 pieces. Elliott ate 3 pieces. Drew ate 2 pieces. Jack ate 1 piece. In simplest form, what fraction of the cake did the three boys eat? 

Equivalent Fractions Recording Sheet

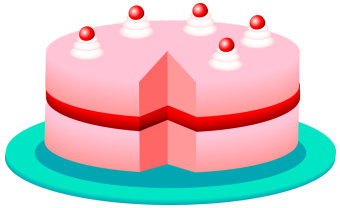
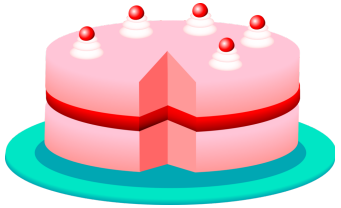
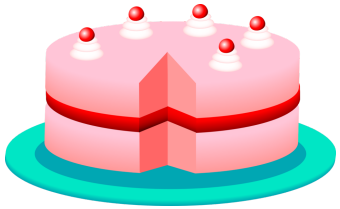
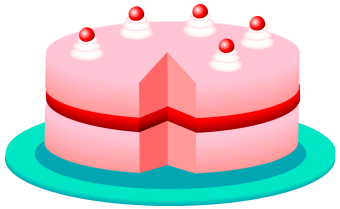
1.	2.	3.	4.	5.
6.	7.	8.	9.	10.

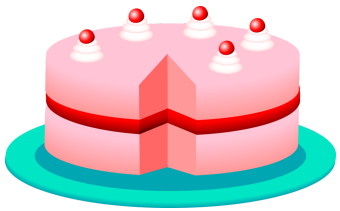
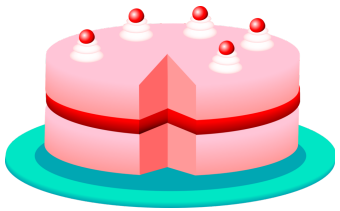
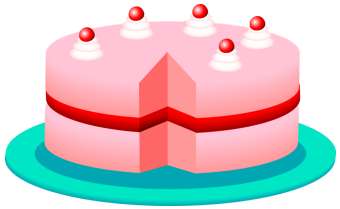
Simplifying Fractions Recording Sheet

1.	2.	3.	4.	5.
6.	7.	8.	9.	10.

Comparing Fractions **1. Compare the two fractions** **⅓ 2/6** 	**Comparing Fractions** **2. Compare the two fractions** **2/10 2/8** 
Comparing Fractions **3.Sophia made 48 cupcakes for her birthday party. 5/12 of the cupcakes were vanilla. ¼ were red velvet. Did she have more vanilla or more strawberry cupcakes?** 	**Comparing Fractions** **4. Bella is buying cookies and brownies for a party. She has $24. She wants to spend ¼ of her money on brownies, ⅓ of her money on cake mix. Does she spend more money on brownies or cake mix?** 

Comparing Fractions	Comparing Fractions
5. Connor eats ½ of his 16 brownies. Travis eats 4 of his 8 brownies. Did they eat the same amount of brownies? Explain your reasoning. 	6. James made different kinds of brownies for a party. He makes 80 brownies in all. 20 of the brownies are triple fudge, ½ are dark chocolate, and the rest are white chocolate. Which brownie did he make the most of? 
Comparing Fractions	**Comparing Fractions**
7. Evan drinks ⅗ of his chocolate milk. Joe drinks 4/7 of his chocolate milk. Who drinks more chocolate milk? 	8. Lucas filled his 24 ounce container with 16 ounces of brownies. Paige fills her 30 ounce container with 20 ounces of brownies. Compare the two amounts of brownies they placed in the containers. 

Ordering Fractions **9. Order the fractions.** **⅔, ½, 2/6** 	**Ordering Fractions** **10. Order the fractions.** **¾ , ⅜, ½** 
Ordering Fractions **11. Order the fractions.** **½, ⅙, 2/10** 	**Ordering Fractions** **12. Order the fractions.** **⅖, 12/15, ⅔** 

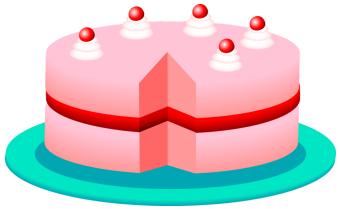
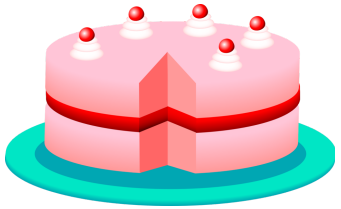
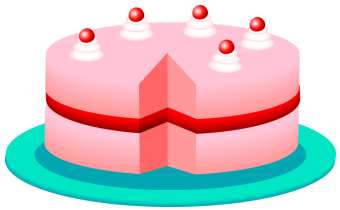
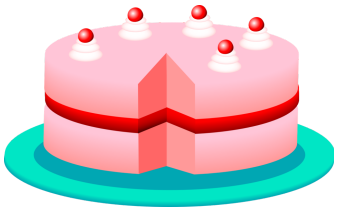
Ordering Fractions **13. Order the fractions.** **9/12, 4/9, ⅔ , ⅚** 	**Ordering Fractions** **14. Order the fractions.** **⅗, 2/7, 1 ½** 
Ordering Fractions **15. Mr. Bakers is making cookies for his bakery. Of the cookies he has made, ⅕ are chocolate chip cookies, 7/25 are peanut butter cookies, 1/10 are sugar cookies, 3/10 are oatmeal raisin cookies, and 2/25 are snicker doodle cookies, and 2/50 are M&M cookies. Order the amount of cookies from least to greatest.** 	

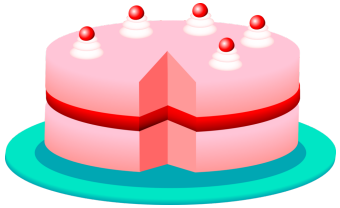
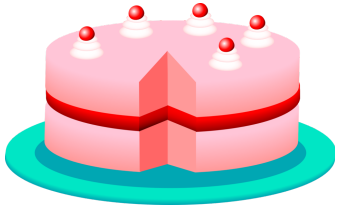
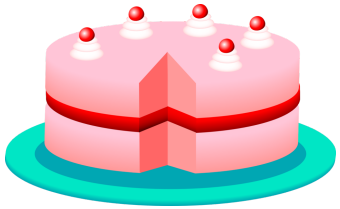
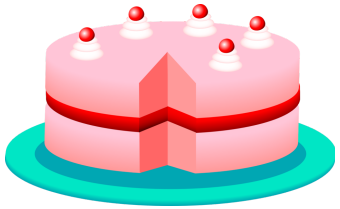
Comparing and Ordering Fractions Recording Sheet

1.	**2.**	**3.**
4.	**5.**	**6.**
7.	**8.**	**9.**
10.	**11.**	**12.**
13.	**14.**	**15.**

Improper Fractions to Mixed Numbers 1. Change the improper fraction to a mixed number: **34/5** 	**Improper Fractions to Mixed Numbers** 2. Change the improper fraction to a mixed number: **19/3** 
Improper Fractions to Mixed Numbers 3.Change the improper fraction to a mixed number: **27/8** 	**Improper Fractions to Mixed Numbers** 4. Change the improper fraction to a mixed number: **16/9** 

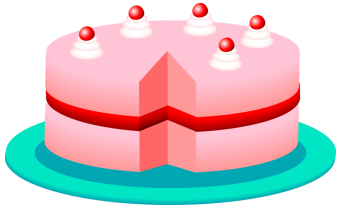
Improper Fractions to Mixed Numbers **5. Change the improper fraction to a mixed number:** **19/5** 	**Improper Fractions to Mixed Numbers** **6. Change the improper fraction to a mixed number:** **18/7** 
Improper Fractions to Mixed Numbers **7. Change the improper fraction to a mixed number:** **42/8** 	**Improper Fractions to Mixed Numbers** **8. Change the improper fraction to a mixed number:** **21/6** 

Improper Fractions to Mixed Numbers **9. Change the improper fraction to a mixed number:** **20/6** 	**Improper Fractions to Mixed Numbers** **10. Change the improper fraction to a mixed number:** **4/3** 
Mixed Numbers to Improper Fractions **11. Change the mixed number to an improper fraction:** **5 ⅕** 	**Mixed Numbers to Improper Fractions** **12. Change the mixed number to an improper fraction:** **21 ⅓** 

Mixed Numbers to Improper Fractions **13. Change the mixed number to an improper fraction:** **$6\frac{5}{8}$** 	**Mixed Numbers to Improper Fractions** **14. Change the mixed number to an improper fraction:** **$2\frac{3}{4}$** 
Mixed Numbers to Improper Fractions **15. Change the mixed number to an improper fraction:** **$8\frac{3}{5}$** 	**Mixed Numbers to Improper Fractions** **16. Becca says she has 3 ½ cups of sugar to bake cookies. Write 3 ½ as an improper fraction.** 

Mixed Numbers to Improper Fractions

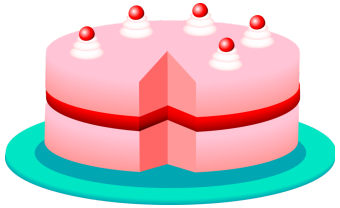
17. Lucy has $4\frac{5}{8}$ cups of chocolate chips. Write the amount of chocolate chips she has as an improper fraction.



Mixed Numbers to Improper Fractions

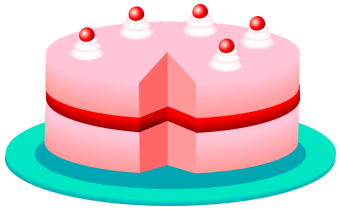
18. Change the mixed number to an improper fraction:

$16\frac{1}{4}$



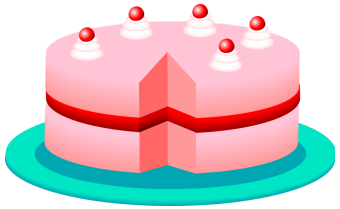
Mixed Numbers to Improper Fractions

19. Hank makes $6\frac{5}{8}$ cakes. Write the amount of cakes Hank makes as an improper fraction.



Mixed Numbers to Improper Fractions

20. James has $3\frac{1}{5}$ cups of flour. How would James change $3\frac{1}{5}$ to an improper fraction? Explain what he would do and solve the problem.

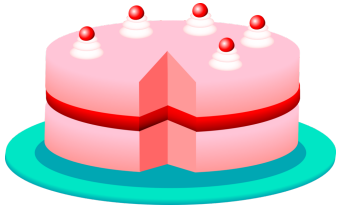
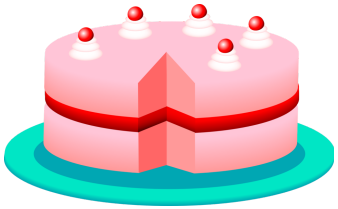
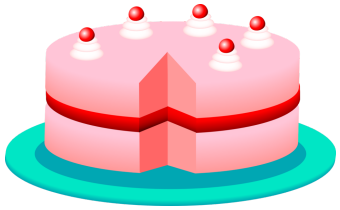
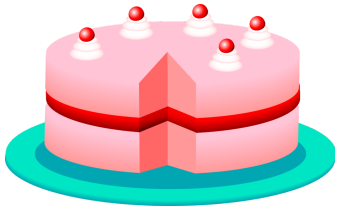


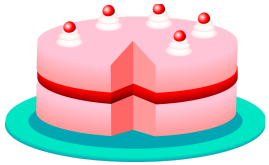
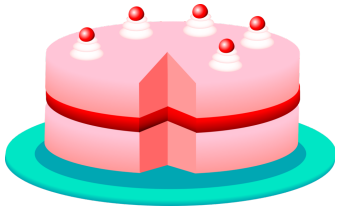
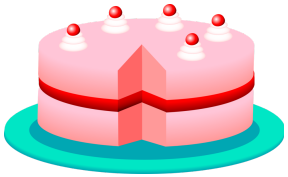
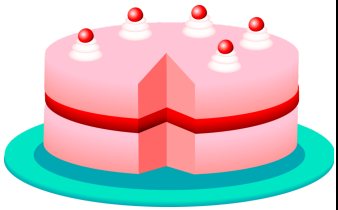
Converting Improper Fractions and Mixed Numbers Recording Sheet

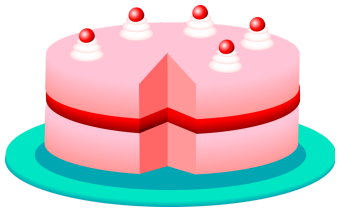
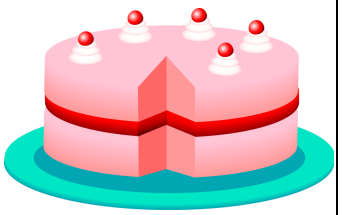
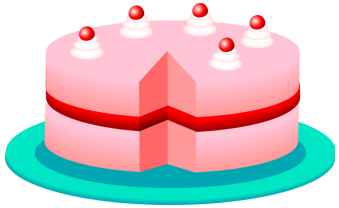
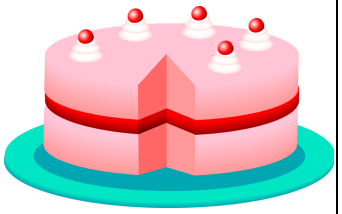
1.	2.	3.
4.	5.	6.
7.	8.	9.
10.	11.	12.
13.	14.	15.
16.	17.	18.
19.	20.	

Adding and Subtracting Fractions **1. Subtract:** $\frac{4}{5} - \frac{2}{5}$ 	**Adding and Subtracting Fractions** **2. Add:** **3/7 + 4/7** 
Adding and Subtracting Fractions **3. Add:** $\frac{5}{8} + \frac{1}{8}$ 	**Adding and Subtracting Fractions** **4. Bella is buying cakes for a party. She buys 1/10 of one cake and 8/10 of another. How much cake does she buy?** 

Adding and Subtracting Fractions **5. Joey's basketball team had made it to the finals. They had already played 28 games that season and had won 23 of them. During the finals, they played 8 more games and won every single game. What fraction of games did they win, in total?** 	**Adding and Subtracting Fractions** **6. Sean's favorite food was brownie cake, so his parents ordered brownie cakes for his big birthday party. They ordered 8 large brownie cakes , which had 12 slices each. All but 6 of the slices of brownie cake were eaten. Write a mixed number to show how much brownie cake was eaten.** 
Adding and Subtracting Fractions **7. Evan drinks ⅗ of his chocolate milk. He started with 1 whole bottle. How much chocolate milk does he have left?** 	**Adding and Subtracting Fractions** **8. Lucas at 15/45 of his bag of Reeses pieces. He ate 13/45 the next day. What fraction of the bag of Reeses has Lucas eaten?** 

Adding and Subtracting Fractions **9. Add:** **1/12 + 7/12** 	**Adding and Subtracting Fractions** **10. Subtract:** **6/10 - 4/10** 
Adding and Subtracting Mixed Numbers **11. Add:** **1 ⅘ + ⅗** 	**Adding and Subtracting Mixed Numbers** **12. Subtract:** **6 3/9 - 2 4/9** 

Adding and Subtracting Mixed Numbers 13. Add 4 23/50 + 1 34/50 	**Adding and Subtracting Mixed Numbers** 14. Subtract 5 ⅓ - 3 ⅔ 
Adding and Subtracting Mixed Numbers 15. Subtract: 8 19/20 - 2 17/20 	**Adding and Subtracting Mixed Numbers** 16. Wayne recorded his exercise for two months. He walked 2 8/10 miles the first day. He walked 1 5/10 miles the second day. What is the total distance he walked during the two days? 

Adding and Subtracting Mixed Numbers **17. Kimberly's kite tail is 5 2/6 feet long. Margaret's kite tail is 4 3/6 feet long. How much longer is Kimberly's kite tail than Margaret's kite tail?** 	**Adding and Subtracting Mixed Numbers** **17. The distance from Jill's house to the grocery store is 3 7/10 miles. The distance from the grocery store to the bank is 2/10 mile. The distance from the bank to the gym is 5 1/10 miles. If Jill drives from her house to the bank and then to the gym, how far has she traveled?** 
Adding and Subtracting Mixed Numbers **19. At Serene Hills Elementary School, the fourth grade classes each had a pizza party. Ms. Norman's class ate 5 3/8 pizzas, Mrs. Ammerman's class ate 4 5/8 pizzas, and Ms. Hughes' class ate 5 5/8 pizzas. What is the total amount of pizza eaten by all three classes?** 	**Adding and Subtracting Mixed Numbers** **20. Ethan says that when you add or subtract fractions with the same denominator, you can add or subtract the numerators and keep the same denominator. Is Ethan correct? Explain. Why do you only add the numerators and not the denominators?** 

Adding and Subtracting Fractions Recording Sheet

1.	2.	3.
4.	5.	6.
7.	8.	9.
10.	11.	12.
13.	14.	15.
16.	17.	18.
19.	20.	