6-1

Name _____ Date _____

Homework

Write each fraction as a sum of unit fractions.

1. $\frac{2}{4} =$ _____
2. $\frac{5}{8} =$ _____
3. $\frac{2}{6} =$ _____
4. $\frac{7}{8} =$ _____
5. $\frac{4}{12} =$ _____
6. $\frac{6}{12} =$ _____
7. $\frac{8}{12} =$ _____
8. $\frac{4}{6} =$ _____

Name the fraction for each sum of unit fractions.

9. $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} =$ _____
10. $\frac{1}{8} + \frac{1}{8} + \frac{1}{8} =$ _____
11. $\frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} =$ _____
12. $\frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} =$ _____
13. $\frac{1}{12} + \frac{1}{12} =$ _____
14. $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} =$ _____
15. $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} =$ _____
16. $\frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} =$ _____

Write three things you learned today about fractions.

_____

_____

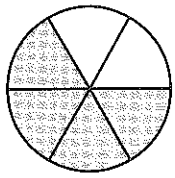
_____

_____

6-2 Name _____ Date _____

Homework

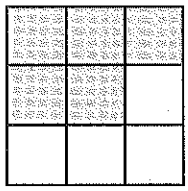
Name the fraction of the shape that is shaded and the fraction of the shape that is not shaded. Then, write an equation that shows how the two fractions make one whole.

1. 

shaded: _____

unshaded: _____

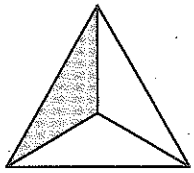
equation: _____

2. 

shaded: _____

unshaded: _____

equation: _____

3. 

shaded: _____

unshaded: _____

equation: _____

Write the fraction that will complete each equation.

4. $1 = \frac{3}{3} = \frac{1}{3} + \_\_\_\_$

5. $1 = \frac{8}{8} = \frac{3}{8} + \_\_\_\_$

6. $1 = \frac{4}{4} = \frac{2}{4} + \_\_\_\_$

7. $1 = \frac{10}{10} = \frac{7}{10} + \_\_\_\_$

8. $1 = \frac{6}{6} = \frac{5}{6} + \_\_\_\_$

9. $1 = \frac{9}{9} = \frac{8}{9} + \_\_\_\_$

10. $1 = \frac{7}{7} = \frac{4}{7} + \_\_\_\_$

11. $1 = \frac{12}{12} = \frac{9}{12} + \_\_\_\_$

Solve. *Show your work.*

12. Kim drank $\frac{1}{3}$ of a carton of milk. Joan drank $\frac{1}{4}$ of a carton of milk. Who drank more milk?

_____

_____

13. Maria read $\frac{1}{8}$ of a story. Darren read $\frac{1}{7}$ of the same story. Who read less of the story?

_____

_____

6-3

Name _____ Date _____

Homework

Solve.

1. $\frac{4}{8} + \frac{2}{8} =$ _____
2. $\frac{3}{11} + \frac{6}{11} =$ _____
3. $\frac{3}{4} - \frac{2}{4} =$ _____
4. $\frac{3}{5} + \frac{4}{5} =$ _____
5. $\frac{2}{6} + \frac{1}{6} =$ _____
6. $\frac{6}{7} - \frac{2}{7} =$ _____
7. $\frac{5}{12} + \frac{4}{12} =$ _____
8. $\frac{9}{10} - \frac{3}{10} =$ _____
9. $\frac{8}{9} - \frac{4}{9} =$ _____

Solve. *Show your work.*

10. Sue is driving to see her mom. The first day she traveled $\frac{2}{5}$ of the distance. The next day she traveled another $\frac{2}{5}$ of the distance. What fraction of the distance has she driven?

_____

11. When Keshawn sharpens her pencil, she loses about $\frac{1}{12}$ of the length. One day, she sharpened her pencil 3 times. The next day she sharpened the same pencil 5 times. What fraction of the pencil did Keshawn sharpen away?

_____

12. One day, a flower shop sold $\frac{7}{10}$ of its roses in the morning and $\frac{2}{10}$ of its roses in the afternoon. What fraction of its roses did the shop sell that day?

_____

13. Bonnie's orange was cut into eighths. She ate $\frac{3}{8}$ of the orange and her friend ate $\frac{3}{8}$ of it. Did they eat the whole orange? Explain.

_____

14. Write and solve a fraction word problem of your own.

_____

_____

_____

_____

6-4

Homework

Name _____ Date _____

Write the equivalent fraction.

1. $6\frac{2}{5} =$ _____
2. $2\frac{3}{8} =$ _____
3. $4\frac{6}{7} =$ _____
4. $8\frac{1}{3} =$ _____
5. $3\frac{7}{10} =$ _____
6. $5\frac{5}{6} =$ _____
7. $7\frac{3}{4} =$ _____
8. $1\frac{4}{9} =$ _____

Write the equivalent mixed number.

9. $\frac{50}{7} =$ _____
10. $\frac{16}{10} =$ _____
11. $\frac{23}{4} =$ _____
12. $\frac{50}{5} =$ _____
13. $\frac{21}{8} =$ _____
14. $\frac{11}{3} =$ _____
15. $\frac{60}{9} =$ _____
16. $\frac{23}{5} =$ _____

Solve. *Show your work.*

17. Castor brought $6\frac{3}{4}$ small carrot cakes to share with the 26 students in his class. Did Castor bring enough for each student to have $\frac{1}{4}$ of a cake? Explain your thinking.

_____

_____

18. Claire cut some apples into eighths. She and her friends ate all but 17 pieces. How many whole apples and parts of apples did she have left over? Tell how you know.

_____

_____

6-5

Homework

Name _____ Date _____

Add.

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

2. $8\frac{5}{10} + 9\frac{6}{10}$

3. $7\frac{3}{4} + 4\frac{2}{4}$

4. $1\frac{5}{9} + 5\frac{7}{9}$

5. $3\frac{2}{5} + 3\frac{3}{5}$

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

Subtract.

7. $7\frac{2}{3} - 3\frac{1}{3}$

8. $8\frac{2}{7} - 5\frac{5}{7}$

9. $6\frac{1}{4} - 2\frac{3}{4}$

10. $9\frac{1}{8} - 4\frac{5}{8}$

11. $9\frac{4}{6} - 4\frac{1}{6}$

12. $3\frac{1}{5} - 2\frac{3}{5}$

Add or subtract.

13. $\frac{1}{4} + \frac{7}{4} =$ _____

14. $\frac{3}{8} + \frac{6}{8} =$ _____

15. $\frac{9}{6} - \frac{8}{6} =$ _____

16. $\frac{5}{9} + \frac{6}{9} =$ _____

17. $\frac{9}{2} - \frac{6}{2} =$ _____

18. $\frac{5}{10} - \frac{2}{10} =$ _____

19. $\frac{2}{5} + \frac{4}{5} =$ _____

20. $\frac{8}{7} - \frac{3}{7} =$ _____

21. $\frac{7}{3} - \frac{2}{3} =$ _____

6-6

Homework

Name _____ Date _____

Write each mixed number as a fraction.

1. $6\frac{5}{8} =$ _____

2. $2\frac{1}{4} =$ _____

3. $8\frac{3}{10} =$ _____

4. $4\frac{2}{6} =$ _____

Write each fraction as a mixed number.

5. $\frac{26}{3} =$ _____

6. $\frac{47}{7} =$ _____

7. $\frac{59}{9} =$ _____

8. $\frac{44}{5} =$ _____

Add or subtract.

9. $\frac{2}{3} + \frac{2}{3} =$ _____

10. $\frac{5}{7} - \frac{3}{7} =$ _____

11. $1\frac{3}{9} + \frac{7}{9} =$ _____

12. $\frac{3}{4} + 3\frac{3}{4} =$ _____

13. $2\frac{4}{15} - \frac{10}{15} =$ _____

14. $\frac{15}{20} - \frac{6}{20} =$ _____

15. $3\frac{3}{5} - 3\frac{1}{5} =$ _____

16. $1\frac{1}{6} + 2\frac{2}{6} =$ _____

17. $2\frac{7}{8} - 1\frac{2}{8} =$ _____

Solve. *Show your work.*

18. Rashid made a loaf of bread that called for $3\frac{1}{3}$ cups of flour. He combined white flour and whole wheat flour. If he used $1\frac{2}{3}$ cups of white flour, how much whole wheat flour did he use?

_____

19. Manuela spent $1\frac{3}{4}$ hours writing her book report. Katy spent $\frac{3}{4}$ hour more time on her book report than Manuela spent. How much time did Katy spend writing her report?

_____

6-7

Homework

Name _____ Date _____

Multiply.

1. $3 \times \frac{1}{4} =$ _____
2. $5 \times \frac{1}{3} =$ _____
3. $4 \times \frac{1}{6} =$ _____
4. $7 \times \frac{1}{7} =$ _____
5. $2 \times \frac{1}{8} =$ _____
6. $3 \times \frac{1}{10} =$ _____
7. $2 \times \frac{3}{4} =$ _____
8. $12 \times \frac{2}{3} =$ _____
9. $12 \times \frac{5}{6} =$ _____
10. $3 \times \frac{2}{7} =$ _____
11. $24 \times \frac{5}{8} =$ _____
12. $8 \times \frac{3}{10} =$ _____
13. $20 \times \frac{3}{5} =$ _____
14. $9 \times \frac{5}{9} =$ _____
15. $10 \times \frac{7}{12} =$ _____

Solve. *Show your work.*

16. Manuel eats $\frac{1}{8}$ of a melon for a snack each day. How much melon does he eat in five days?

_____

17. Shannen collects paper for recycling. She collects $\frac{1}{3}$ pound of paper each week. How much paper will she collect in 4 weeks?

_____

18. Aisha is unpacking boxes. It takes $\frac{3}{4}$ hour to unpack each box. How long will it take her to unpack 6 boxes?

_____

19. Mrs. Suarez cut a pizza into 8 equal slices. Each person in her family ate 2 slices. If there are 3 people in her family, what fraction of the pizza did they eat altogether?

_____

20. Hailey is knitting a scarf. Each half hour, she adds $\frac{3}{7}$ inch to the scarf's length. How much length will she add to the scarf in 12 hours?

_____

6-8

Homework

Name _____ Date _____

Draw a model for each problem. Then solve.

1. $4 \cdot \frac{1}{5} =$ _____

2. $7 \cdot \frac{1}{3} =$ _____

3. $2 \cdot \frac{3}{8} =$ _____

4. $5 \cdot \frac{3}{4} =$ _____

Multiply.

5. $12 \cdot \frac{5}{6} =$ _____

6. $9 \cdot \frac{1}{2} =$ _____

7. $25 \cdot \frac{3}{7} =$ _____

8. $12 \cdot \frac{4}{5} =$ _____

9. $5 \cdot \frac{2}{12} =$ _____

10. $9 \cdot \frac{2}{3} =$ _____

Write an equation. Then solve. *Show your work.*

11. Cal's shoe is $\frac{3}{4}$ foot long. He used his shoe to measure his bedroom and found that it was 15 shoes long. What is the length of Cal's room in feet?

_____

12. The cafeteria at a summer camp gives each camper $\frac{2}{3}$ cup of juice for breakfast. This morning, 50 campers had juice for breakfast. How much juice did the cafeteria serve in all?

_____

6-9

Homework

Name _____ Date _____

Add or subtract.

1. $2\frac{2}{3} + 4\frac{1}{3}$

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

3. $5\frac{4}{5} + 7\frac{3}{5}$

4. $8 - 1\frac{1}{6}$

5. $18\frac{5}{8} + 12\frac{7}{8}$

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

Multiply. Write your answer as a mixed number or a whole number, when possible.

7. $5 \cdot \frac{1}{5} =$ _____

8. $5 \cdot \frac{4}{7} =$ _____

9. $20 \cdot \frac{3}{10} =$ _____

10. $8 \cdot \frac{1}{6} =$ _____

11. $9 \cdot \frac{7}{12} =$ _____

12. $2 \cdot \frac{4}{9} =$ _____

Write an equation. Then solve. *Show your work.*

13. At the science-club picnic $\frac{2}{3}$ cup of potato salad will be served to each student. If 20 students attend the picnic, how much potato salad will be needed?

_____

14. Skye spent $4\frac{2}{6}$ hours reading over the weekend. If she read $1\frac{5}{6}$ hours on Saturday, how long did she read on Sunday?

_____

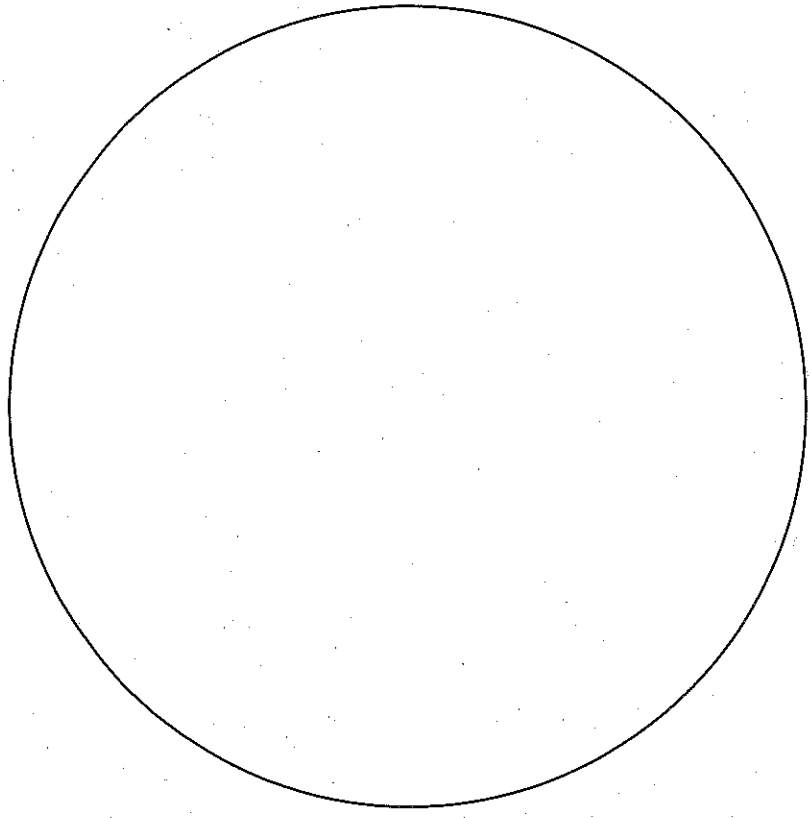
6-10

Name _____ Date _____

Homework

A pizza garden is a smaller version of a pizza farm. You can make a pizza garden at your home or in your community.

1. Use the circle below to draw a vegetarian pizza garden with 8 wedges. In each wedge, show one of the following vegetarian ingredients: wheat, fruit, vegetables, Italian herbs, and dairy cows. Use each type of ingredient at least once.



2. What fraction of your pizza garden is made up of wheat or fruit?

_____

3. What fraction of your pizza garden is *not* made up of vegetables?

_____