7-1 Name _____ Date _____

Homework

Write > or < to make each statement true.

1. $\frac{1}{5}$ ◯ $\frac{1}{4}$
2. $\frac{6}{10}$ ◯ $\frac{5}{10}$
3. $\frac{4}{10}$ ◯ $\frac{4}{12}$
4. $\frac{3}{5}$ ◯ $\frac{4}{5}$
5. $\frac{3}{6}$ ◯ $\frac{3}{8}$
6. $\frac{7}{100}$ ◯ $\frac{8}{100}$

Solve. Explain your answers. *Show your work.*

7. Juan took $\frac{2}{12}$ of the fruit salad and Harry took $\frac{3}{12}$ of the same salad. Who took more of the salad?

_____

_____

_____

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

_____

_____

9. Maria read $\frac{3}{8}$ of a story. Darren read $\frac{3}{6}$ of the same story. Who read more of the story?

_____

_____

_____

10. Write 2 things you learned today about comparing fractions.

_____

_____

_____

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

_____

_____

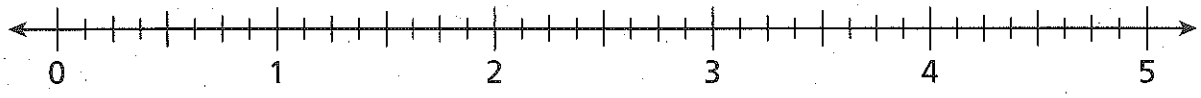
_____

7-2

Homework

Name _____ Date _____

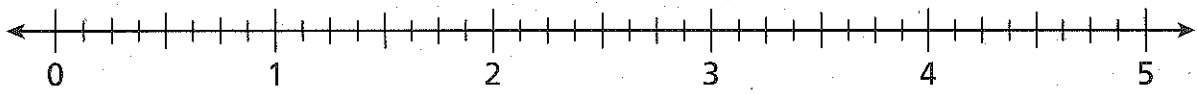
1. Use the number line to compare the fractions or mixed numbers. Write > or < to make the statement true.



a. $\frac{3}{4} \bigcirc \frac{5}{8}$ b. $1\frac{1}{4} \bigcirc \frac{3}{2}$ c. $\frac{9}{4} \bigcirc 2\frac{1}{2}$ d. $\frac{7}{2} \bigcirc \frac{17}{8}$

e. $4\frac{2}{4} \bigcirc 4\frac{5}{8}$ f. $4\frac{1}{2} \bigcirc \frac{33}{8}$ g. $1\frac{3}{4} \bigcirc 1\frac{7}{8}$ h. $1\frac{1}{2} \bigcirc 1\frac{1}{8}$

2. Mark and label the letter of each fraction or mixed number on the number line.



a. $\frac{3}{8}$ b. $\frac{3}{4}$ c. $1\frac{1}{2}$ d. $2\frac{1}{8}$ e. $2\frac{7}{8}$

f. $3\frac{1}{4}$ g. $3\frac{5}{8}$ h. $4\frac{2}{4}$ i. $4\frac{6}{8}$ j. $4\frac{7}{8}$

The list below shows the amount of fruit purchased from the market.

Fruit Purchases (lb = pounds)

apples $2\frac{1}{8}$ lb	bananas $2\frac{3}{8}$ lb
grapes $2\frac{2}{3}$ lb	oranges $3\frac{1}{10}$ lb

3. Decide if each weight is closer to 2 pounds, $2\frac{1}{2}$ pounds, or 3 pounds. Write *closer to 2 pounds, closer to* $2\frac{1}{2}$ *pounds,* or *closer to 3 pounds.*

a. apples _____ b. bananas _____

c. grapes _____ d. oranges _____

4. Which purchase had a greater weight?

a. apples or grapes _____ b. oranges or bananas _____

7-3

Homework

Name _____ Date _____

1. Draw a small square, a medium square, and a large square. Shade $\frac{1}{6}$ of each.

2. Draw a small circle, a medium circle, and a large circle. Shade $\frac{3}{4}$ of each.

3. Draw a short rectangle, a medium rectangle, and a long rectangle. Shade $\frac{3}{5}$ of each.

4. Look at the different size shapes you shaded in Problems 1–3. Describe what they show about fractions of different wholes.

_____

_____

_____

Solve. *Show your work.*

5. Kris ate $\frac{3}{8}$ of a pizza and Kim ate $\frac{4}{8}$ of the same pizza. Did they eat the whole pizza? Explain.

_____

6. Amena ate $\frac{1}{2}$ of a sandwich. Lavonne ate $\frac{1}{2}$ of a different sandwich. Amena said they ate the same amount. Lavonne said Amena ate more. Could Lavonne be correct? Explain your thinking.

_____

_____

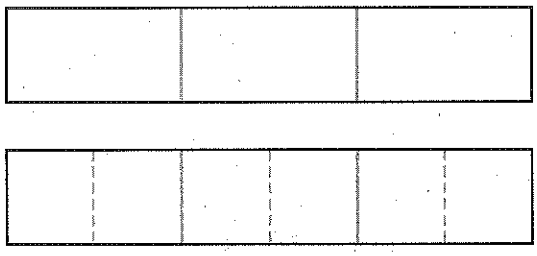
_____

7-4 Name Date

Homework

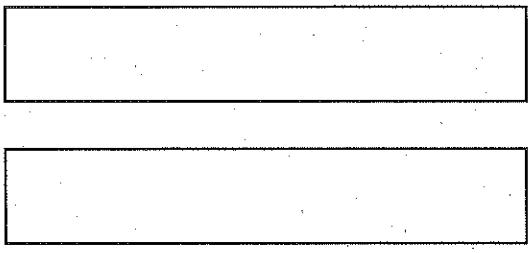
Use the fraction strips to show how each pair is equivalent.

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



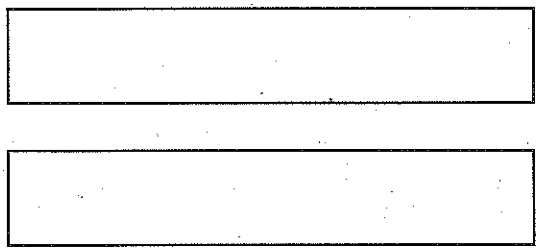
$\frac{1}{3} = \frac{1 \times \square}{3 \times \square} = \frac{2}{6}$

2. $\frac{3}{4}$ and $\frac{9}{12}$



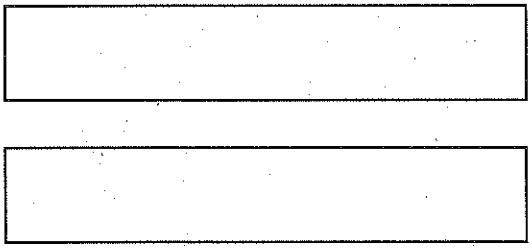
$\frac{3}{4} = \frac{3 \times \square}{4 \times \square} = \frac{9}{12}$

3. $\frac{2}{5}$ and $\frac{4}{10}$



$\frac{2}{5} = \frac{2 \times \square}{5 \times \square} = \frac{4}{10}$

4. $\frac{2}{4}$ and $\frac{6}{12}$



$\frac{2}{4} = \frac{2 \times \square}{4 \times \square} = \frac{6}{12}$

Complete to show how the fractions are equivalent.

5. $\frac{5}{6}$ and $\frac{35}{42}$

$\frac{5}{6} = \frac{5 \times \square}{6 \times \square} = \frac{35}{42}$

6. $\frac{4}{10}$ and $\frac{40}{\square}$

$\frac{4}{10} = \frac{4 \times 10}{10 \times \square} = \frac{\square}{\square}$

Complete.

7. $\frac{4}{5} = \frac{4 \times \square}{5 \times \square} = \frac{\square}{45}$

8. $\frac{2}{5} = \frac{2 \times \square}{5 \times \square} = \frac{\square}{40}$

9. $\frac{3}{8} = \frac{3 \times \square}{8 \times \square} = \frac{18}{\square}$

7-5 Homework

Name _____ Date _____

Shade the fraction bar to show the fraction of items sold. Group the unit fractions to form an equivalent fraction in simplest form. Show your work numerically.

1. The manager of Fantasy Flowers made 8 bouquets of wild flowers. By noon, she sold 2 of the bouquets. What fraction did she sell?

$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$

Group size: _____ Fraction of bouquets sold: $\frac{2 \div}{8 \div} =$ _____

2. A car dealer had 12 red cars on his lot at the beginning of the month. The first week he sold 8 of them. What fraction did he sell that week?

$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$

Group size: _____ Fraction of red cars sold: $\frac{8 \div}{12 \div} =$ _____

3. A music store received 10 copies of a new CD. They sold 6 of them in the first hour. What fraction did the store sell in the first hour?

$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$

Group size: _____ Fraction of CDs sold: $\frac{6 \div}{10 \div} =$ _____

Simplify each fraction.

4. $\frac{8 \div}{10 \div} =$ _____

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

6. $\frac{25 \div}{100 \div} =$ _____

7. $\frac{4 \div}{8 \div} =$ _____

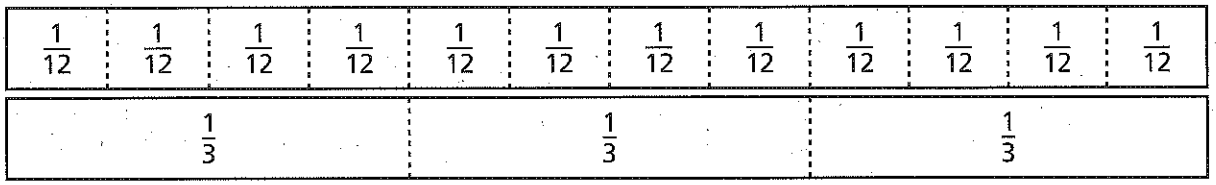
7-6

Name _____ Date _____

Homework

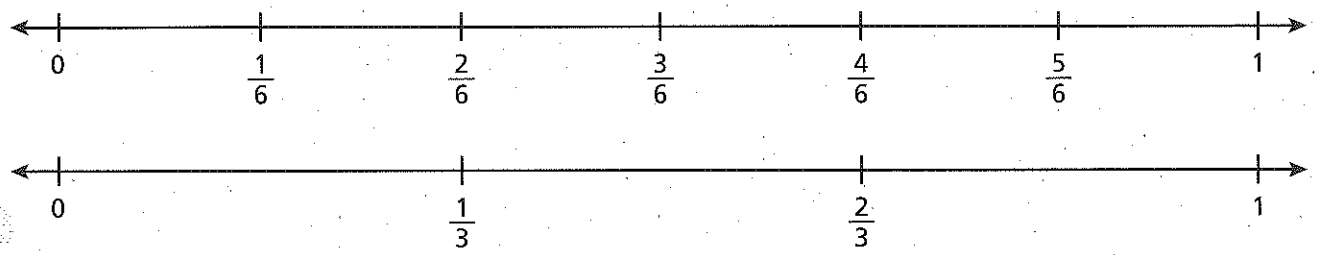
1. Use the fraction strips to compare the fractions $\frac{7}{12}$ and $\frac{2}{3}$.

$\frac{7}{12} \bigcirc \frac{2}{3}$



2. Use the number lines to compare the fractions $\frac{5}{6}$ and $\frac{2}{3}$.

$\frac{5}{6} \bigcirc \frac{2}{3}$



Compare. Write >, <, or =.

3. $\frac{1}{6} \bigcirc \frac{3}{5}$

4. $\frac{7}{8} \bigcirc \frac{3}{4}$

5. $\frac{1}{4} \bigcirc \frac{3}{10}$

6. $\frac{7}{10} \bigcirc \frac{5}{8}$

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

8. $\frac{2}{5} \bigcirc \frac{7}{10}$

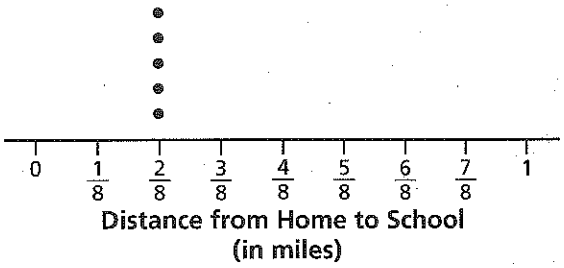
7-7 Name Date

Homework

Tyler asked his classmates the distance in miles from their home to the school. The distances they named are shown in the table.

Distance from Home to School (in miles)	Number of Students
$\frac{2}{8}$	5
$\frac{3}{8}$	3
$\frac{4}{8}$	4
$\frac{5}{8}$	5
$\frac{6}{8}$	3
$\frac{7}{8}$	7

1. Make a line plot of the data.



2. How many students did Tyler ask in all? Explain how you know.

_____

3. Find the difference between the greatest distance and the least distance.

_____

4. Layla lives the least distance from the school. Her friend Geneva lives $\frac{3}{8}$ mile from her. Geneva walked to Layla's house. Then the two girls walked to school together. How far did Geneva walk altogether?

_____

7-8

Name _____ Date _____

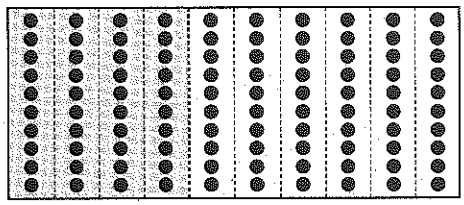
Homework

Use the visual to fill in each blank.

1. The shaded part of the whole represents:

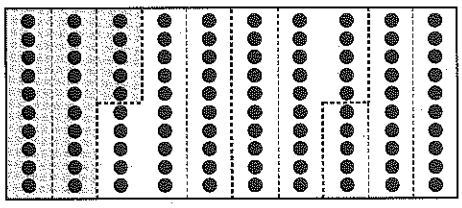
$\frac{40}{100}$ = _____ of _____ equal parts and the decimal _____.

$\frac{4}{10}$ = _____ of _____ equal parts and the decimal _____.



2. The shaded part of the whole represents:

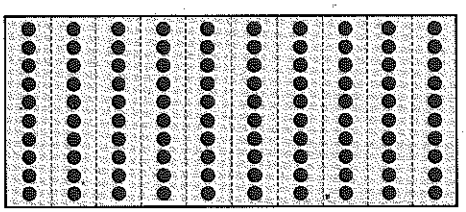
$\frac{25}{100}$ = _____ of _____ equal parts, $\frac{1}{4}$ = _____ of _____ equal parts, and the decimal _____.

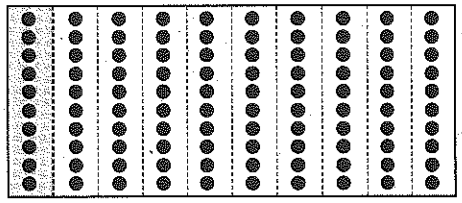


3. The shaded part of the whole represents:

$\frac{110}{100}$ = _____ of _____ equal parts, $\frac{11}{10}$ = _____ of _____ equal parts,

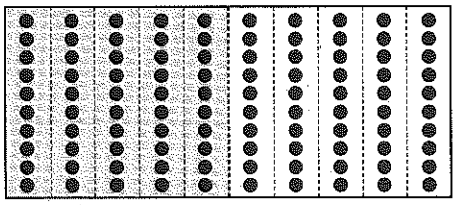
$1\frac{1}{10}$ = _____ whole and _____ of _____ equal parts, and the decimal _____.





Solve.

4. Juan shaded a part of the whole. Four fractions represent the shaded part of the whole. List each fraction. Explain how each fraction relates to the shaded part of the whole.



_____

_____

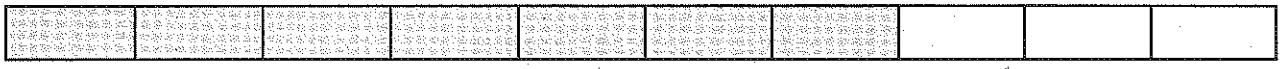
_____

7-9

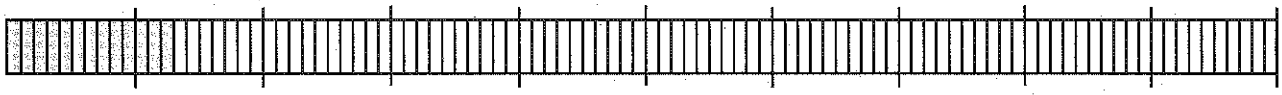
Homework

Name _____ Date _____

Write a fraction and a decimal number to show what part of each bar is shaded.



1. Fraction: _____ Decimal Number: _____



2. Fraction: _____ Decimal Number: _____

Write these amounts as decimal numbers.

3. 5 tenths _____
4. 9 hundredths _____
5. 56 hundredths _____
6. $\frac{80}{100}$ _____
7. $\frac{3}{10}$ _____
8. $\frac{1}{100}$ _____
9. 3 cents _____
10. 2 quarters _____
11. 3 nickels _____

Answer the questions below.

12. If you took a test with 10 questions and got 7 of them right, what decimal part would that be? _____ What decimal part did you get wrong? _____

13. If you had a dollar and spent 5 cents, what decimal amount did you spend? _____ What decimal amount do you have left? _____

14. If you had a bag of 100 beads and used 40, what decimal number did you use? Express this number in both tenths and hundredths. _____ _____

15. If you had to travel 100 miles and went 25 miles, what decimal part of the trip did you travel? _____ What decimal part of the trip do you still have left? _____

7-10 Homework

Name _____ Date _____

Write the decimal numbers that come next.

1. 0.05 0.06 0.07 _____ _____ _____ _____

2. 0.26 0.27 0.28 _____ _____ _____ _____

3. 0.3 0.4 0.5 _____ _____ _____ _____

Write each number in decimal form.

4. 9 tenths _____ 5. 5 hundredths _____ 6. 29 hundredths _____

7. $\frac{73}{100}$ _____ 8. $\frac{2}{10}$ _____ 9. $\frac{8}{100}$ _____

10. 4 pennies _____ 11. 3 quarters _____ 12. 6 dimes and 1 nickel _____

Solve.

A small jar contains 4 white gumballs and 6 red gumballs.

13. What decimal number shows which part of the gumballs are red? _____

14. What decimal number shows which part of the gumballs are white? _____

15. A large jar of 100 gumballs has the same fractions of red gumballs and white gumballs as the small jar. How many gumballs in the large jar are red? _____ How many are white? _____

A sidewalk has 100 squares. There are cracks in 9 of the squares.

16. What decimal number shows what part of the sidewalk is cracked? _____

17. What fraction shows what part of the sidewalk is cracked? _____

Write each decimal tenth as a decimal hundredth.

18. 0.6 = _____ 19. 0.2 = _____ 20. 0.5 = _____

7-11 Name _____ Date _____

Homework

Write each number in decimal form.

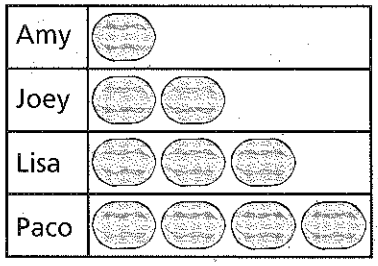
1. 6 tenths _____
2. 85 hundredths _____
3. 9 hundredths _____
4. 7 tenths _____
5. $\frac{4}{100}$ _____
6. $2\frac{9}{10}$ _____
7. $\frac{23}{10}$ _____
8. $11\frac{3}{100}$ _____
9. 6 cents _____
10. twelve *and* 5 tenths _____
11. thirty *and* 25 hundredths _____

Write each decimal in expanded form.

12. 27.9 _____
13. 153.76 _____
14. 203.06 _____

Use the graph to answer questions 15–17.

Melons Picked



Key: = 1 melon

15. What decimal part of all the melons did Amy pick? _____
16. What decimal part of all the melons did Paco pick? _____
17. What decimal part of all the melons did Joey and Lisa pick together? _____

Solve.

18. A centipede has 100 legs. What decimal part is one leg? _____
19. At a banquet, each cake was cut into 100 pieces. The guests ate 4 whole cakes and all but one piece of another. What decimal number represents the number of cakes that were eaten? _____
20. Miguel earned $10 and saved $3. What decimal part did he save? _____
21. Jing earned $100, and saved $30. What decimal part did she save? _____

7-12 Homework

Name _____ Date _____

Write these amounts as decimal numbers.

1. 4 tenths _____
2. 72 hundredths _____
3. 6 hundredths _____
4. 8 cents _____
5. $\frac{68}{100}$ _____
6. $9\frac{4}{10}$ _____
7. $\frac{16}{100}$ _____
8. $6\frac{7}{100}$ _____
9. 30 hundredths _____

Circle the number that does not have the same value as the others.

10.	0.95	0.950	0.905	11.	0.2	0.20	0.02
12.	0.730	0.703	0.73	13.	1.6	1.60	1.06
14.	0.59	5.90	$\frac{59}{100}$	15.	0.08	0.008	0.080

Write >, <, or = to compare these numbers.

16. 4.67 ◯ 12.7
17. 0.35 ◯ 0.4
18. 4.58 ◯ 1.25
19. 8.3 ◯ 0.83
20. 0.92 ◯ 0.91
21. 2.3 ◯ 0.84
22. 10.1 ◯ 10.01
23. 7.4 ◯ 0.74

The table shows how far four students jumped in the long jump contest. Use the table to answer the questions.

24. Whose jump was longest? _____
25. Whose jump was shortest? _____
26. Which two students jumped the same distance? _____

Long Jump Contest

Name	Length of Jump
Joshua	1.60 meters
Amanda	1.59 meters
Hester	1.7 meters
Miguel	1.6 meters

7-13 Homework

Name _____ Date _____

Write >, <, or = to compare these numbers.

1. $\frac{3}{4} \bigcirc \frac{2}{8}$

2. $\frac{4}{10} \bigcirc \frac{4}{5}$

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

4. $1\frac{1}{6} \bigcirc 1\frac{1}{4}$

5. $2\frac{7}{8} \bigcirc 2\frac{3}{7}$

6. $1\frac{4}{9} \bigcirc 1\frac{5}{10}$

Complete.

7. $\frac{3}{9} = \frac{3 \times \square}{9 \times \square} = \frac{\square}{45}$

8. $\frac{6}{10} = \frac{6 \times \square}{10 \times \square} = \frac{12}{\square}$

9. $\frac{5}{8} = \frac{5 \times \square}{8 \times 8} = \frac{\square}{\square}$

10. $\frac{24}{30} = \frac{24 \div \square}{30 \div \square} = \frac{\square}{5}$

11. $\frac{28}{35} = \frac{28 \div \square}{35 \div 7} = \frac{\square}{\square}$

12. $\frac{6}{18} = \frac{6 \div \square}{18 \div \square} = \frac{1}{\square}$

Solve.

Show your work

13. Cole lives 2.4 miles from the library. Gwen lives 2.04 miles from the library. Xander lives 2.40 miles from the library. Who lives closest to the library: Cole, Gwen, or Xander?

_____

14. After making his art project, Robbie has $\frac{2}{10}$ yard of rope left. What is $\frac{2}{10}$ written as a decimal?

_____