

**AMERICAN MATH HW
WEEK OF 3FEB TO 7FEB**

Due Date: Sunday, 02/09 by midnight

Focus for the week: The focus of the HW this week is to relate decimals with fractions. The HW for this week is meant to be a practice on all the below topics we have covered this week:

- Tuesday – Relate tenths and decimals
- Wednesday – Relate hundredth and decimals
- Thursday – Convert fractions to decimals and vice versa
- Friday – Add and subtract tenths and hundredths

SHOW ALL YOUR WORK to receive full credit. DO NOT write ONLY the final answers.

Pacing guideline: Look at the top right corner of the page for suggested pacing

Monday – No HW

Tuesday – 1 page

Wednesday – 1 page

Thursday – 1 page

Friday – 2 pages

Bring your homework to class everyday. I will discuss any problems you have on the homework in class.

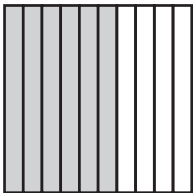
Note: For additional help or practice, refer to the resources link on Archie.

Relate Tenths and Decimals

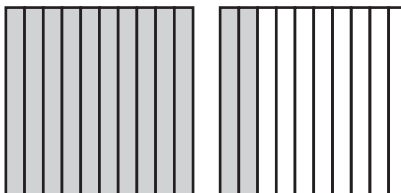
Go Online


Interactive Examples

Write the fraction or mixed number and the decimal shown by the model.

1.  Think: The model is divided into 10 equal parts. Each part represents one tenth.

 $\frac{6}{10}; 0.6$

2. 

3.  $2\frac{0}{10}$ $2\frac{5}{10}$

Write the fraction or mixed number as a decimal.

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

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

6. $\frac{7}{10}$

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

8. $\frac{9}{10}$

Write *true* or *false*.

9. one tenth less than 12.3 is 2.3

10. one tenth more than 0.9 is 0.10

11. one tenth less than 3.6 is 3.5

12. one tenth more than 0.6 is 0.7

Problem Solving



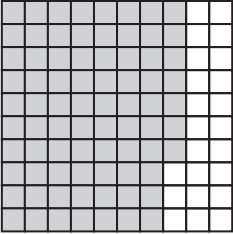
13. There are 10 sports balls in the equipment closet. Three are kickballs. Write the portion of the balls that are kickballs as a fraction, as a decimal, and in word form.
14. Angel has 2 pizzas. Each pizza is cut into 10 equal slices. She and her friends eat 14 slices. What part of the pizzas did they eat? Write your answer as a decimal.

15.  **WRITE** *Math* Do 0.3 and 3.0 have the same value? Explain.

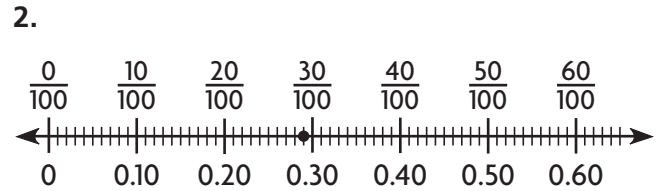
Name _____

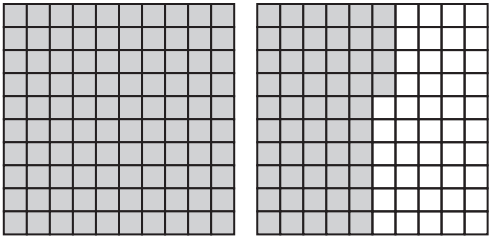
Relate Hundredths and Decimals

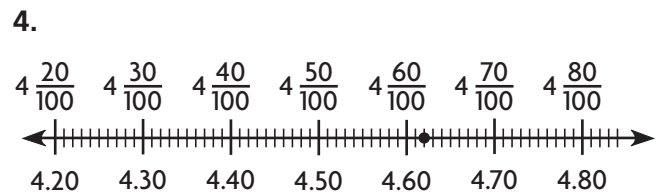
Write the fraction or mixed number and the decimal shown by the model.

1.  Think: The whole is divided into one hundred equal parts, so each part is one hundredth.

$\frac{77}{100}$; 0.77



3. 



Write the fraction or mixed number as a decimal.

5. $\frac{37}{100}$

6. $8\frac{11}{100}$

7. $\frac{98}{100}$

8. $25\frac{50}{100}$

9. $\frac{6}{100}$

Write *true* or *false*.

10. one hundredth less than 0.74 is 0.73

11. one hundredth more than 0.19 is 0.2

12. one tenth less than 0.65 is 0.55

13. one tenth more than 0.37 is 0.38

Problem Solving

14. There are 100 pennies in a dollar. What part of a dollar is 61 pennies? Write it as a fraction, as a decimal, and in word form.

Equivalent Fractions and Decimals

Write the number as hundredths in fraction form and decimal form.

1. $\frac{5}{10}$

$$\frac{5}{10} = \frac{5 \times 10}{10 \times 10} = \frac{50}{100}$$

Think: 5 tenths is the same as 5 tenths and 0 hundredths. Write 0.50.

$$\frac{50}{100}; 0.50$$

2. $5\frac{9}{10}$

3. 0.2

4. 0.8

Write the number as tenths in fraction form and decimal form.

5. $\frac{40}{100}$

6. $\frac{410}{100}$

7. 0.60

Problem Solving

8. Omar walks $\frac{6}{10}$ mile to school each day. Write $\frac{6}{10}$ as hundredths in fraction form and in decimal form.

9.  **WRITE** *Math* Write $\frac{5}{10}$ in three equivalent forms.

Name _____

Add Fractional Parts of 10 and 100

Find the sum.

1. $\frac{2}{10} + \frac{43}{100}$

$$\frac{20}{100} + \frac{43}{100} = \frac{63}{100}$$

$$\frac{63}{100}$$

Think: Write $\frac{2}{10}$ as a fraction with a denominator of 100:

$$\frac{2 \times 10}{10 \times 10} = \frac{20}{100}$$

2. $\frac{17}{100} + \frac{6}{10}$

3. $\frac{309}{100} + \frac{9}{10}$

4. $\$0.25 + \0.34

Problem Solving

5. Arielle's frog jumped $\frac{38}{100}$ meter. Then her frog jumped $\frac{4}{10}$ meter. How far did Arielle's frog jump?

6. Keiko walks $\frac{5}{10}$ kilometer from school to the park. Then she walks $\frac{19}{100}$ kilometer from the park to her home. How far does Keiko walk?

7. Explain how you would use equivalent fractions to solve $0.5 + 0.10$.

Lesson Check

8. In a fish tank, $\frac{2}{10}$ of the fish were orange and $\frac{5}{100}$ of the fish were striped. What fraction of the fish were orange or striped?
9. Greg spends \$0.45 on an eraser and \$0.30 on a pen. How much money does Greg spend?