

7th Grade  
Oct 21, 2020

Please get out your  
HW.

Today we will:  
-check WS  
-review video notes  
and complete  
examples  
-begin HW

I will do binder  
checks throughout  
the week.



HOMWORK:

Complete WS

THQ due Friday

ALEKS-60 minutes  
due by 11:59pm Oct  
26



# Lesson 1 Homework Practice

## Fractions and Decimals

Write each fraction as a decimal. Use a bar to show a repeating decimal.

1.  $\frac{3}{5} = 0.6$

2.  $\frac{1}{8} = 0.125$

3.  $\frac{9}{11} = 0.\overline{81}$

4.  $-\frac{3}{16} = -0.1875$

5.  $\frac{3}{40} = 0.075$

6.  $\frac{8}{11} = 0.\overline{72}$

7.  $\frac{5}{12} = 0.\overline{416}$

Handwritten:  $3 \overline{)1.003}$

8.  $\frac{1}{3} = 0.\overline{3}$

9.  $\frac{7}{9} = 0.\overline{7}$

10.  $-\frac{11}{15} = -0.\overline{73}$

11.  $-\frac{12}{16} = -0.75$

12.  $\frac{13}{60} = 0.21\overline{6}$

13.  $\frac{1}{45} = 0.0\overline{2}$

14.  $-\frac{5}{24} = -0.208\overline{3}$

15.  $\frac{13}{20} = 0.65$

16.  $\frac{17}{18} = 0.9\overline{4}$

17.  $-\frac{2}{3} = -0.\overline{6}$

18.  $\frac{7}{8} = 0.875$

Replace each  $\bullet$  with  $<$ ,  $>$ , or  $=$  to make a true sentence.

19.  $-\frac{13}{2} \bullet -6.4 <$    
 Handwritten:  $-6.5 < -6.4$  and  $6\frac{4}{10} = \frac{64}{10}$

20.  $\frac{6}{7} \bullet \frac{5}{6} >$

21.  $-0.75 \bullet -\frac{15}{20} \times \frac{5}{5} = -\frac{75}{100}$

22.  $-\frac{3}{8} \bullet -0.40 >$

23.  $\frac{7}{8} \bullet \frac{8}{9} <$

24.  $-\frac{33}{100} \bullet -0.\overline{3} >$

25. Order  $\frac{4}{9}$ ,  $\frac{444}{1000}$ , and  $0.4$  from least to greatest.  **$0.4, \frac{444}{1000}, \frac{4}{9}$**

26. Order  $\frac{8}{9}$ ,  $\frac{8}{10}$ , and  $-0.80$  from least to greatest.  **$-\frac{8}{9}, -0.80, -\frac{8}{10}$**

27. In a school survey, 787 out of 1000 students preferred hip-hop music to techno. Is this figure more or less than  $\frac{7}{9}$  of those surveyed? Explain.

More;  $\frac{787}{1000} = 0.787$  and  $\frac{7}{9} = 0.77\overline{7}$ , so  $\frac{787}{1000}$  is greater than  $\frac{7}{9}$ .


Make all decimals

Handwritten:  $\frac{8}{9} = 0.888\overline{8}$  (shown as a long division problem)

- ①  $0.8888\dots$
- ②  $0.8080\dots$
- ③  $0.8000$

Handwritten:  $\frac{8}{10} = -0.8$

**Lesson 1 Homework Practice**  
**Fractions and Decimals**

Name \_\_\_\_\_  
 Unit \_\_\_\_\_ Lesson \_\_\_\_\_ Due Date \_\_\_\_\_  


Write each fraction as a decimal. Use a bar to show a repeating decimal.

1.  $\frac{3}{5} = \frac{6}{10} = 0.6$

2.  $\frac{1}{8}$   
 $8 \overline{) 1000}$   
 $0.125$   
 (Handwritten long division showing 1000 divided by 8 to get 125 with a bar over the 5.)

3.  $\frac{9}{11}$   
 $11 \overline{) 9.000}$   
 $0.8181$   
 (Handwritten long division showing 9 divided by 11 to get 0.8181 with a bar over the 181.)

4.  $-\frac{3}{16}$

$16 \overline{) 3.0000}$   
 $0.1875$   
 (Handwritten long division showing 3 divided by 16 to get 0.1875.)

5.  $\frac{3}{40}$   
 $40 \overline{) 3.0000}$   
 $0.075$   
 (Handwritten long division showing 3 divided by 40 to get 0.075.)

6.  $\frac{8}{11}$   
 $0.72$   
 $11 \overline{) 8.000}$   
 $0.72$   
 (Handwritten long division showing 8 divided by 11 to get 0.72 with a bar over the 2.)

7.  $\frac{5}{12}$

8.  $\frac{1}{3}$

9.  $\frac{7}{9}$

10.  $-\frac{11}{15}$

Replace each  $\bullet$  with  $<$ ,  $>$ , or  $=$  to make a true sentence.

11.  $-\frac{13}{2} \bullet -6.4$

12.  $\frac{6}{7} \bullet \frac{5}{6}$

13.  $-0.75 \bullet -\frac{15}{20}$

14.  $-\frac{3}{8} \bullet -0.40$

15.  $\frac{7}{8} \bullet \frac{8}{9}$

16.  $-\frac{33}{100} \bullet -0.\overline{3}$

17. Order  $-\frac{8}{9}$ ,  $-\frac{8}{10}$ , and  $-0.\overline{80}$  from least to greatest.

18. In a school survey, 787 out of 1000 students preferred hip-hop music to techno. Is this figure more or less than  $\frac{7}{9}$  of those surveyed? Explain.



Foldable:

Multiply denominator

by the whole number

and then add the

numerator.

Keep the denominator

the same.

$$\textcircled{1} -7\frac{+2}{15}$$

$$\begin{array}{r} 15 \\ \times 1 \\ \hline 105 \\ + 2 \\ \hline 107 \end{array} \quad \textcircled{-\frac{107}{15}}$$

$$\textcircled{2} 4\frac{+3}{20}$$

$$80+3 = \frac{83}{20}$$

$$\textcircled{3} 10\frac{+2}{9}$$

$$\frac{92}{9}$$

-12

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

Use place value

to write the decimal

as a fraction or

mixed number,

then simplify.

0.32

$$\frac{32}{100} \div \frac{4}{4} = \frac{8}{25}$$

-8.26

$$-8\frac{26}{100} \div \frac{2}{2} = -8\frac{13}{50}$$

17.875

$$17 \frac{875}{1000} \div \frac{5}{5}$$

$$= 17 \frac{175}{200} \div \frac{5}{5}$$

$$= 17 \frac{35}{40} \div \frac{5}{5}$$

$$= \textcircled{17\frac{7}{8}}$$

-5.95

$$-5 \frac{95}{100} \div \frac{5}{5}$$

$$= \textcircled{-5\frac{19}{20}}$$



**Write each number as a fraction.** (Example 1)

11.  $1\frac{5}{6}$

12.  $-12$

13.  $-10\frac{7}{8}$

14.  $49$

**Write each decimal as a fraction or mixed number in simplest form.** (Example 2)

15.  $3.625$

16.  $0.55$

17.  $-5.36$

18.  $-0.265$

19.  $-1.3$

20.  $0.9$

**21 Financial Literacy** Recently, one U.S. dollar was equal to 0.506 British pounds.  
Express 0.506 as a fraction in simplest form. (Example 2)

**Find each product.** 7.NS.2, 7.NS.2a

74.  $-6(-12)$

75.  $15(-3)(-4)(0)$

76.  $-3(5)(-9)$

77.  $14(-20)$

**Find each quotient.** 7.NS.2, 7.NS.2b

78.  $\frac{1}{-1}$

79.  $\frac{-16}{8}$

80.  $\frac{-100}{-10}$

81.  $\frac{0}{-5}$