

# Fourth Grade Math

Activity 4 knoxschools.org/kcsathome

This packet includes four sections that cover some of the major content of 4<sup>th</sup> Grade Math. Each section includes notes and practice for each topic. For additional support, visit KCS TV on YouTube for instructional videos that accompany each section.

		То	pic	
	I. Classify Two- Dimensional Figures	II. Multiply and Divide Whole Numbers	III. Equivalent Fractions and Comparing Fractions	IV. Relate Decimals and Fractions and Compare Decimals
Activity 1	Compare Quadrilaterals	Multiplying Whole Numbers	Equivalent Fractions	Fractions and Decimals
Activity 2	Sorting Shapes based on parallel and perpendicular sides	Dividing Whole Numbers	Compare Fractions- Common Denominators	Compare Fractions
Activity 3	Sorting Shapes based on angles		Compare Fractions- Using a Benchmark	Compare Tenths and Hundredths
Activity 4	Sorting Triangles based on angles and lengths of sides			

## The following content is included in this packet:

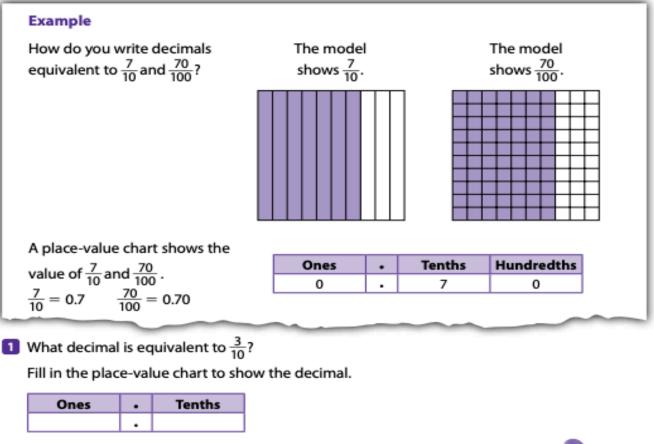


## 4<sup>th</sup> Grade Math– Activity Section IV

#### Standards: 4.NF.C.6 and 4.NF.C.7

#### Name the Same Amount

Study the example showing ways to name the same amount as a fraction and a decimal. Then solve problems 1–7.

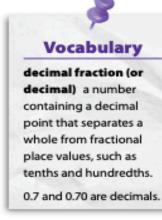


2 What decimal is equivalent to 55 100?

Fill in the place-value chart to show the decimal.

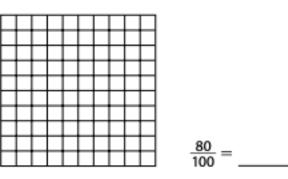
Ones	•	Tenths	Hundredths
	•		

Write a decimal equivalent to 75/100.

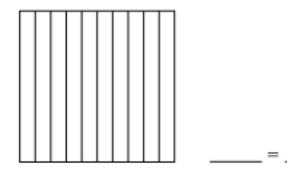


#### Solve.

What decimal is equivalent to <sup>80</sup>/<sub>100</sub>? Shade the model below to show the fraction and the decimal. Then write the decimal.

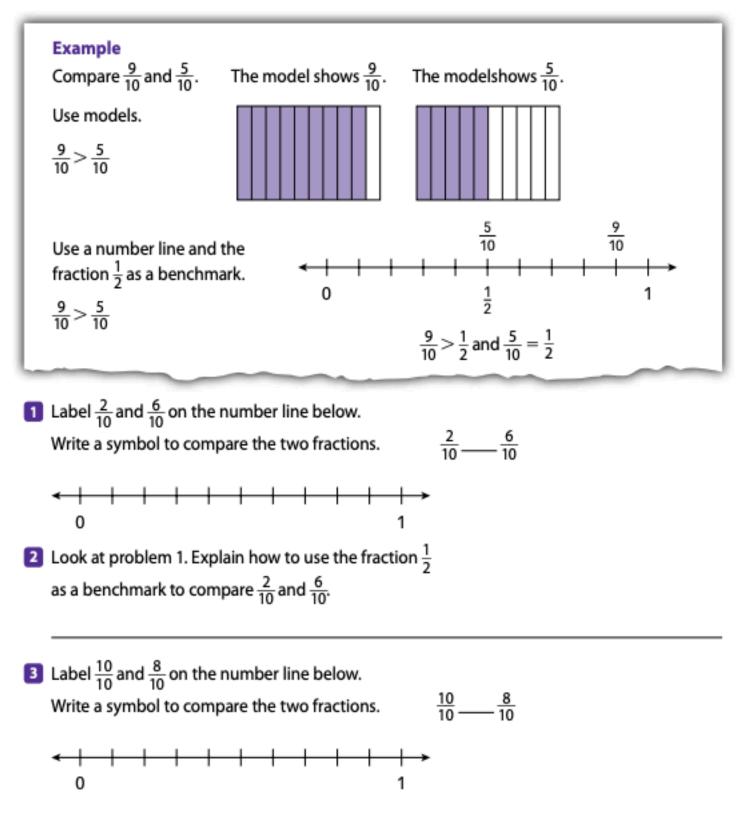


5 Look at problem 4. Shade the model below to show an equivalent tenths fraction and decimal. Then write the fraction and decimal.

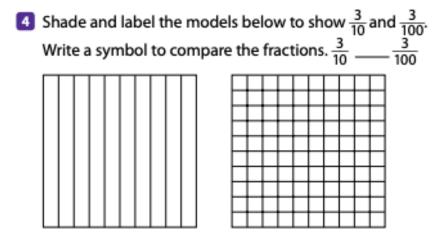


- 6 Use what you know about equivalent fractions to explain why 0.8 and 0.80 are equivalent.
- 7 Find the sum of  $\frac{80}{100}$  and  $\frac{20}{100}$ . Then use what you know about equivalent fractions to explain why 0.8 + 0.2 = 1.

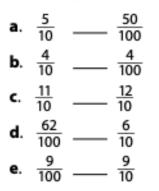
### Study the example showing ways to compare fractions. Then solve problems 1–6.



#### Solve.



Use the symbols <, >, and = to compare the fractions.



6 Write the fraction that each model shows. Explain which fraction is greater.

Study the example problem showing how to compare tenths and hundredths decimals. Then solve problems 1–6.

#### Example

Colin lives 0.6 mile from school and 0.65 mile from the park. Which place is closer to his home?

Write each decimal as an equivalent fraction.

Write the tenths fraction as a hundredths fraction.

Compare hundredths fractions.

0.6 < 0.65

The school is closer to his home.

Lucas bought 0.6 pound of fish and 0.85 pound of shrimp to make a stew.

Shade the models below to compare 0.6 and 0.85.

- Write a symbol to compare the decimals. 0.6 \_\_\_\_\_ 0.85
- 3 Did Lucas buy more fish or shrimp? Use equivalent fractions to explain your answer.

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$$0.6 = \frac{6}{10} \qquad 0.65$$
$$\frac{6}{10} = \frac{60}{100}$$
$$\frac{60}{100} < \frac{65}{100}$$

 $=\frac{65}{100}$ 

#### Solve.

Compare 0.2 and 0.25 using >, =, or <. Use equivalent fractions to explain your answer.

5 Compare 0.09 and 0.1 using >, =, or <. Use a place-value chart to explain your answer.

Ones	•	Tenths	Hundredths
	•		
	•		

6 Write the decimals 1.00, 0.20, and 0.03 in the place-value chart below. Which number is the greatest? Which number is the least? Use equivalent fractions to explain.

Ones	•	Tenths	Hundredths
	•		
	•		
	•		



