

NAME \_\_\_\_\_

DATE \_\_\_\_\_

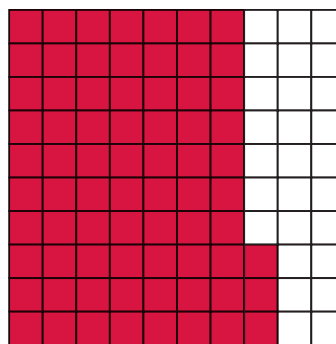
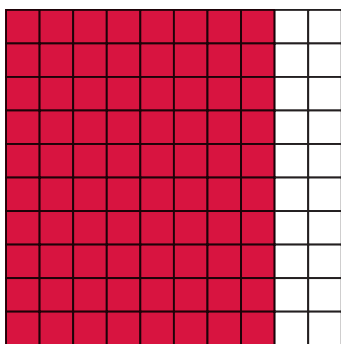
**More Comparing Decimals & Fractions** page 1 of 2

1 Which fraction is larger:  $\frac{8}{10}$  or  $\frac{73}{100}$ ?  **$\frac{8}{10}$**

a Explain why you think so.

**Work will vary. Example:  $\frac{8}{10}$  is greater because  $\frac{8}{10} = \frac{80}{100}$ , and  $\frac{80}{100} > \frac{73}{100}$**

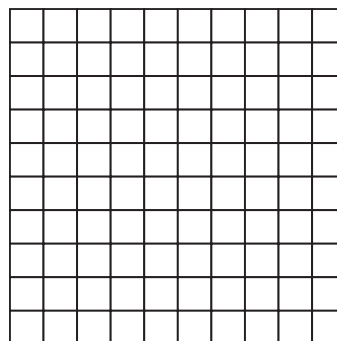
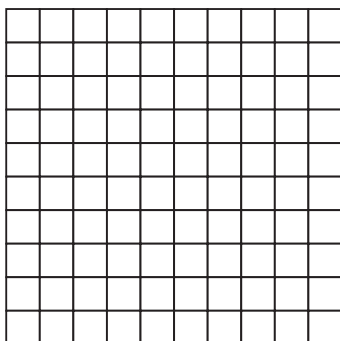
b Draw each fraction on a grid below to verify your answer.



c Record each fraction as a decimal number.

$\frac{8}{10}$  **0.8 or 0.80**  $\frac{73}{100}$  **0.73**

2 On the first grid below, shade a number between 0.75 and 0.8 and label it. Then shade in and label a different number between 0.75 and 0.8 on the second grid.



**Work will vary. Any number from 0.76 to 0.79 will work.**

a Compare the two numbers you shaded in the grids. Write an inequality using the symbol  $<$  or  $>$  to show which number is larger.

**Work will vary.**

(continued on next page)

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**More Comparing Decimals & Fractions** page 2 of 2**3** Write these numbers as decimals:**a** Two and eighty-three hundredths 2.83**b** One and six hundredths 1.06**4** Write this decimal number in words: 2.94.**Two and ninety four hundredths.****5** Fill in each blank with  $<$ ,  $>$ , or  $=$ .**a**  $0.8$   $>$   $0.78$ **b**  $0.56$   $<$   $0.6$ **c**  $0.6$   $=$   $0.60$ **6** Allison says that 1.06 is bigger than 1.2 because 6 is bigger than 2. Do you agree or disagree? Explain.**Work will vary. She is incorrect.  $1.06 < 1.2$** **7** Erik is 4.23 feet tall. Stacy is 4.3 feet tall. Who is taller? Explain.**Stacy is taller.  $4.3 > 4.23$** **8 CHALLENGE** One year ago, Charlie's chameleon was 8.42 inches long. Now his chameleon is 9.36 inches long. Show your work with numbers, labeled sketches, or words for each question below.**a** How much did Charlie's chameleon grow in the last year?**0.94 inch****b** How much more does his chameleon need to grow to be exactly 10 inches?**0.64 inch**