Name: _____ Date: _____

EVERYDAY MATHEMATICS—4th Grade
Unit 3 Review: Fractions & Decimals

1) There are 5 cookies. Four friends want to share them evenly. How much would each friend get? Show your answer in two different ways.

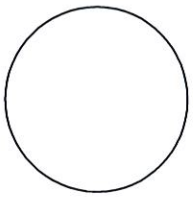
_____ cookies

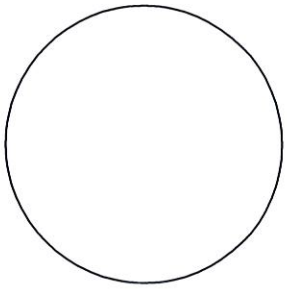
_____ cookies

How are your answers alike?_____

_____

2) Shade $\frac{1}{4}$ of each circle.





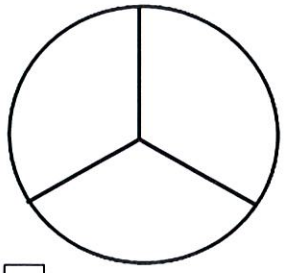
Are the fourths of the two circles equal? How do you know?

_____

_____

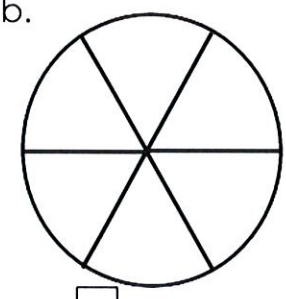
3) Color $\frac{1}{3}$ of each circle. Name the colored portion.

a.



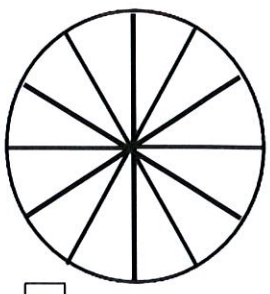
$\frac{\square}{3}$ is colored.

b.



$\frac{\square}{6}$ is colored.

c.



$\frac{\square}{12}$ is colored.

Unit 3 Review (continued)

4) Use fraction circles to identify fractions below that are equivalent to $\frac{1}{4}$. Circle them.

$\frac{5}{20}$ $\frac{4}{8}$ $\frac{1}{3}$ $\frac{2}{8}$ $\frac{3}{12}$

5) a. Using your fraction circles to help you, find and name 2 fractions that are equivalent to $\frac{1}{2}$.

_____ _____

b. Using your fraction circles to help you, find and name 2 fractions that are equivalent to $\frac{4}{5}$.

_____ _____

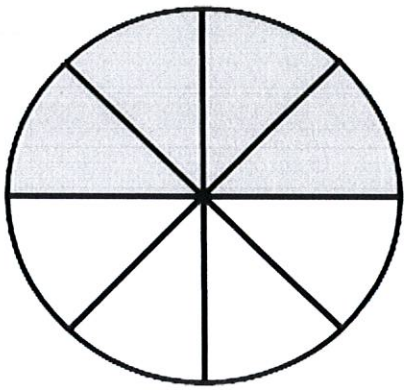
6) Write the missing fractions on the number line.

7) Place the following fractions on the number line below: $\frac{1}{4}$, $\frac{2}{3}$, $\frac{4}{10}$, $\frac{6}{8}$, $\frac{2}{6}$

8) Write a fraction and a decimal for the circle.

fraction:_____

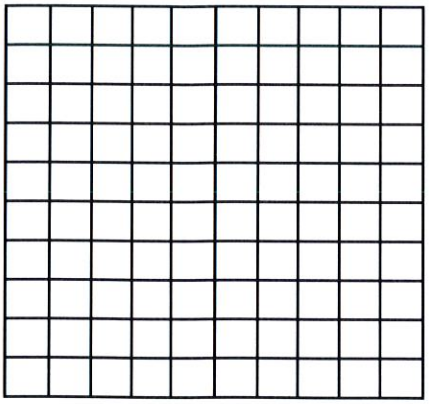
decimal:_____



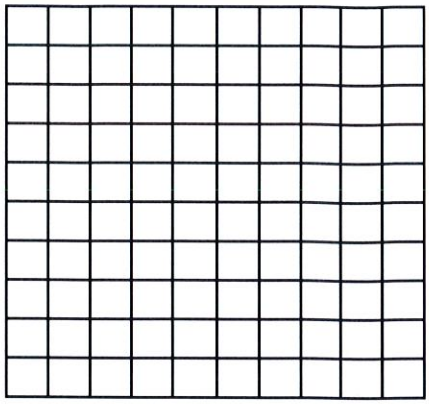
Whole
circle

Unit 3 Review (continued)

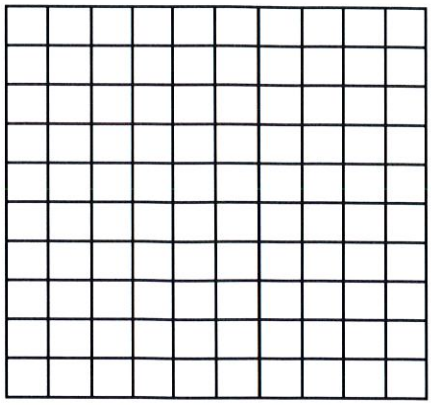
9) Shade each grid to help you write the following fractions as decimals.



$\frac{6}{10}$ _____



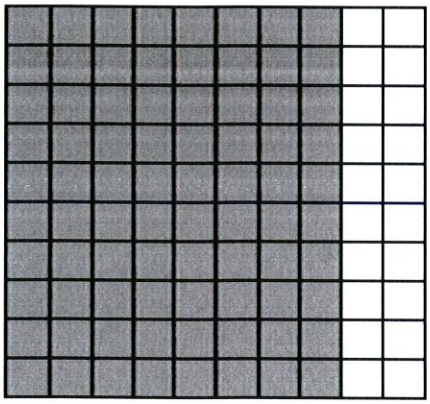
$\frac{40}{100}$ _____



$\frac{70}{100}$ _____

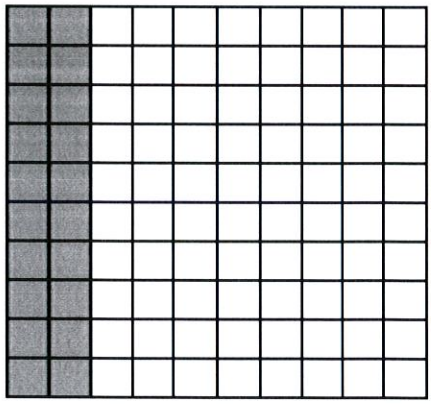
If each grid is the whole, then what part of each grid is shaded?
Write the decimal and the fraction below each grid.

10)



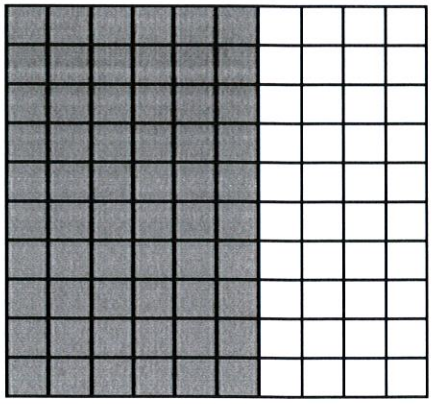
_____ = _____
decimal fraction

11)



_____ = _____
decimal fraction

12)



_____ = _____
decimal fraction

Write <, =, or > to compare the decimals. Use the grids from Problems 10 through 12.

13) 0.8 _____ 0.2

14) 0.2 _____ 0.6

15) 0.6 _____ 0.8

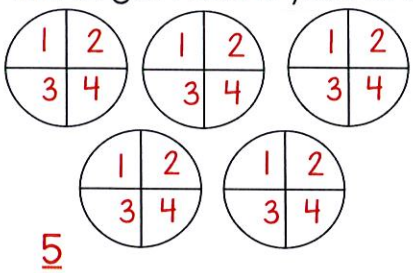
16) Convert from centimeters to millimeters.

cm	mm
4	
18	
72	
381	

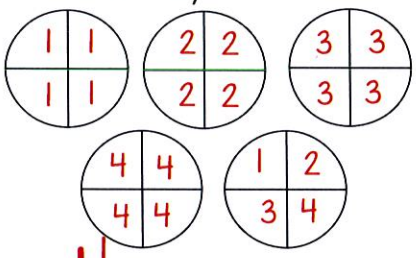
Name: *ANSWER KEY* Date: _____

EVERYDAY MATHEMATICS—4th Grade
Unit 3 Review: Fractions & Decimals

1) There are 5 cookies. Four friends want to share them evenly. How much would each friend get? Show your answer in two different ways.



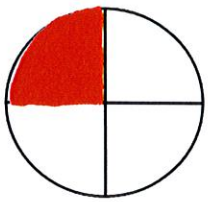
$\frac{5}{4}$ cookies

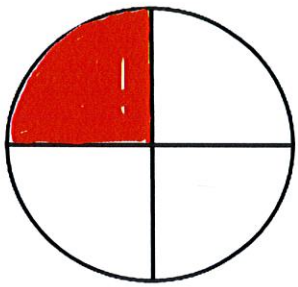


$1\frac{1}{4}$ cookies

How are your answers alike? Possible answer: Both answers represent the same amount. 5/4 and 1 ¼ are the same.

2) Shade $\frac{1}{4}$ of each circle.



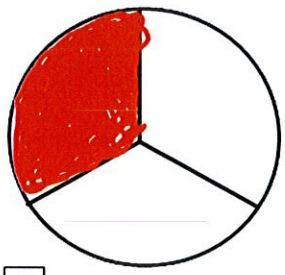


Are the fourths of the two circles equal? How do you know?

Possible answer: No, the wholes are not the same size, so the fourths cannot be equal.

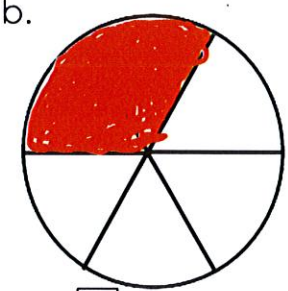
3) Color $\frac{1}{3}$ of each circle. Name the colored portion.

a.



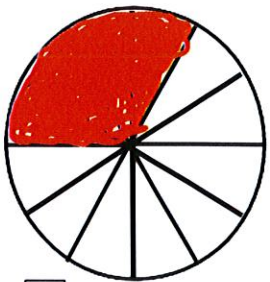
$\frac{1}{3}$ is colored.

b.



$\frac{2}{6}$ is colored.

c.



$\frac{4}{12}$ is colored.

Unit 3 Review (continued) *ANSWER KEY*

4) Use fraction circles to identify fractions below that are equivalent to $\frac{1}{4}$. Circle them.

$\frac{5}{20}$ $\frac{4}{8}$ $\frac{1}{3}$ $\frac{2}{8}$ $\frac{3}{12}$

5) a. Using your fraction circles to help you, find and name 2 fractions that are equivalent to $\frac{1}{2}$. Possible answers:

$\frac{2}{4}$ $\frac{4}{8}$

b. Using your fraction circles to help you, find and name 2 fractions that are equivalent to $\frac{4}{5}$. Possible answers:

$\frac{8}{10}$ $\frac{12}{15}$

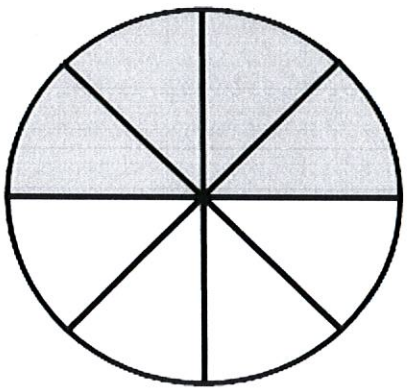
6) Write the missing fractions on the number line.

7) Place the following fractions on the number line below: $\frac{1}{4}, \frac{2}{3}, \frac{4}{10}, \frac{6}{8}, \frac{2}{6}$

8) Write a fraction and a decimal for the circle.

fraction: $\frac{4}{8}$

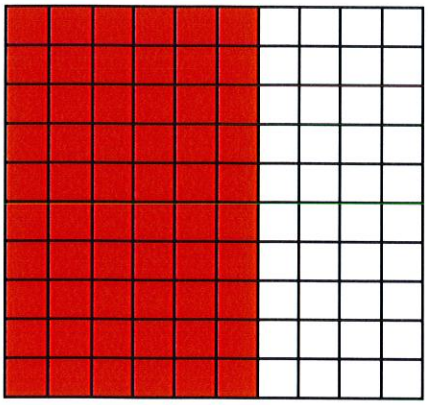
decimal: 0.5



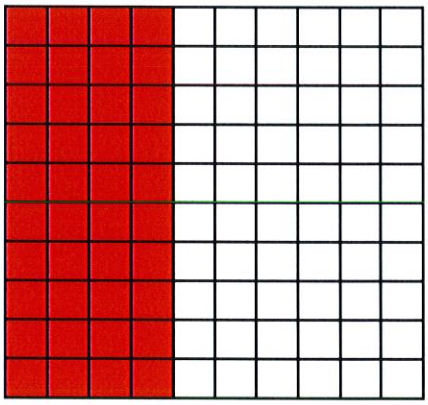
Whole
circle

Unit 3 Review (continued) *ANSWER KEY*

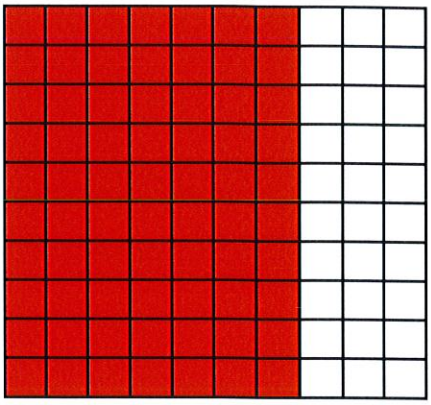
9) Shade each grid to help you write the following fractions as decimals.



$\frac{6}{10}$ 0.6



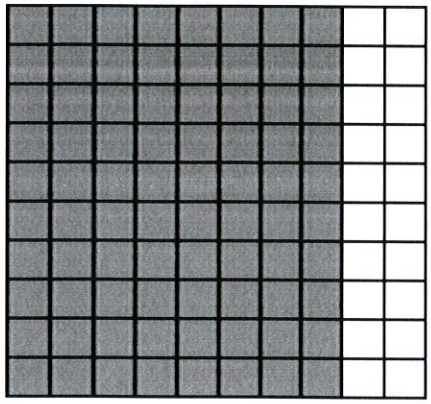
$\frac{40}{100}$ 0.40



$\frac{70}{100}$ 0.70

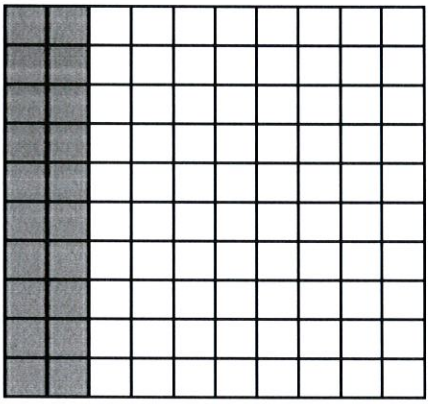
If each grid is the whole, then what part of each grid is shaded?
Write the decimal and the fraction below each grid.

10)



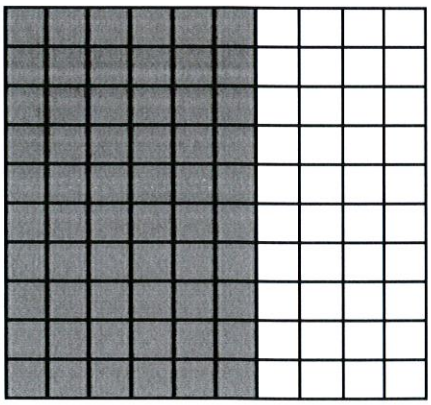
0.8 or 0.80 = $\frac{8}{10}$ or $\frac{80}{100}$
decimal fraction

11)



0.2 or 0.20 = $\frac{2}{10}$ or $\frac{20}{100}$
decimal fraction

12)



0.6 or 0.60 = $\frac{6}{10}$ or $\frac{60}{100}$
decimal fraction

Write <, =, or > to compare the decimals. Use the grids from Problems 10 through 12.

13) 0.8 > 0.2

14) 0.2 < 0.6

15) 0.6 < 0.8

16) Convert from centimeters to millimeters.

cm	mm
4	40
18	180
72	720
381	3,810